abcam

ab254351

Anti-SV2A antibody [EPR23500-32]

Anti-SV2A antibody [EPR23500-32] (ab254351) is a rabbit monoclonal antibody detecting SV2A in **Western Blot, Flow Cytometry (Intra), IP, IHC-P, IHC-Fr, ICC/IF, Dot Blot**. Suitable for **Human, Mouse, Rat**.

- Biophysical QC for unrivalled batch-batch consistency

Recombinant | RabMAb | Advanced Validation | 20ul selling size

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR23500-32
Purification technique	Affinity purification Protein A
Concentration	0.493 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Tested

Species	Mouse
Dilution info	1/30

Notes	-

Expected

Species	Rat, Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Dot

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Expected

Species	Rat, Human
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Species	Rat
Dilution info	1/1000
Notes	-

Species	Human
Dilution info	1/1000

Notes	-

ICC/IF

Tested

Species	Mouse
Dilution info	1/100
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Rat
Dilution info	-
Notes	-

IHC-Fr

Tested

Species	Mouse
Dilution info	1/100
Notes	Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

Species	Rat
Dilution info	1/100
Notes	Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt (Intra)

Tested

Species	Mouse
Dilution info	1/500
Notes	-

Expected

Species	Rat, Human
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-P

Tested

Species	Mouse
Dilution info	1/1000
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Rat
Dilution info	1/1000
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Species	Human
Dilution info	1/1000
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

mIHC

Tested

Species	Mouse
Dilution info	1/1000
Notes	-

Species	Rat
Dilution info	1/1000
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information SV2A

Function Plays a role in the control of regulated secretion in neural and endocrine cells, enhancing selectively low-frequency neurotransmission. Positively regulates vesicle fusion by maintaining the readily releasable pool of secretory vesicles (By similarity). (Microbial infection) Receptor for the C.botulinum neurotoxin type A2 (BoNT/A, botA); glycosylation is not essential but enhances the interaction (PubMed:29649119). Probably also serves as a receptor for the closely related C.botulinum neurotoxin type A1.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C

Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

What is this antibody validated in?
Anti-SV2A antibody [EPR23500-32] (ab254351) is a rabbit recombinant monoclonal antibody and is validated for use in Western Blot (WB), Flow Cytometry (Intra), Immunoprecipitation (IP), Immunohistochemistry (IHC-P), Immunohistochemistry (IHC-Fr), Immunocytochemistry/immunofluorescence (ICC/IF), Dot Blot in Human, Mouse, Rat samples.

What is the molecular weight of SV2A?
Anti-SV2A [EPR23500-32] (ab254351) specifically detects a band for SV2A (UniProt: Q9JIS5) at a molecular weight of 83kDa.

Other related products
We have a range of other formats of antibody clone [EPR23500-32] also available for your convenience: ab254351, Carrier free - ab273513, Alexa Fluor® 647 - ab317600, Alexa Fluor® 488 - ab317770

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Trial sizes available!
Test your antibody or perform pre-screening before committing to a larger quantity. Sold in 20µl. Discover our selection of trial-size antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

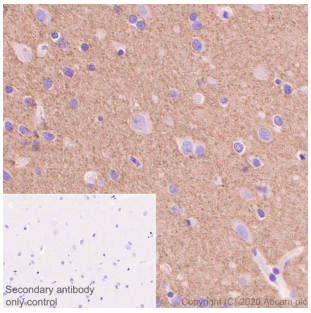
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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21 product images

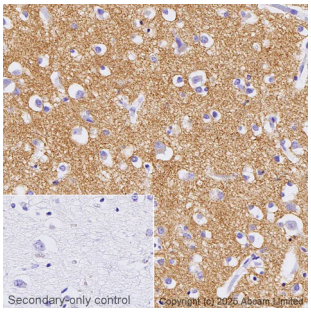


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-SV2A antibody

Immunohistochemical analysis of paraffin-embedded Human cerebrum tissue labeling SV2A with ab254351 at 1/1000 followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Cytoplasmic staining in human cerebrum (PMID:16306227). The section was incubated with ab254351 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.
Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of human Alzheimer's brain tissue using rabbit Anti-SV2A antibody

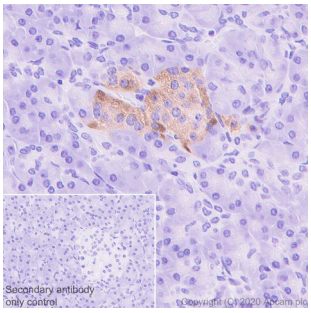
Immunohistochemical analysis of paraffin-embedded human Alzheimer's brain tissue* labelling SV2A with ab254351 at 0.1ug/ml followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).
Positive staining in human Alzheimer's brain.

The section was incubated with ab254351 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection).

Heat mediated antigen retrieval with sodium citrate buffer (pH 6.0 epitope retrieval solution1) for 20 mins.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre.

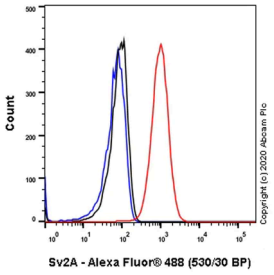


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-SV2A antibody

Immunohistochemical analysis of paraffin-embedded Human pancreas tissue labeling SV2A with ab254351 at 1/1000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Cytoplasmic staining in human pancreatic islet (PMID:16306227). The section was incubated with ab254351 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

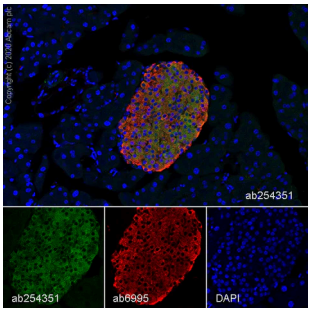
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Flow Cytometry (Intracellular) - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Flow Cytometry (Intracellular) staining using rabbit Anti-SV2A antibody

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed, 90% methanol permeabilized Neuro-2a (Mouse neuroblastoma neuroblast) cells labelling SV2A with ab254351 at 1/500 dilution (0.1ug) (Red) (Red) compared with a Rabbit monoclonal IgG (ab172730) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue).
A Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) at 1/2000 dilution was used as the secondary antibody.

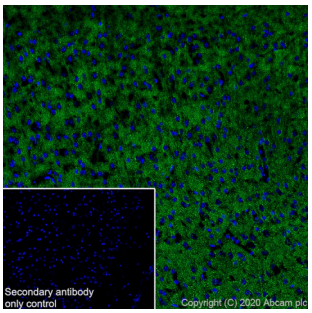


Immunohistochemistry (Frozen sections) - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunohistochemistry (Frozen sections) staining using rabbit Anti-SV2A antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse pancreas tissue labeling SV2A with ab254351 at 1/100 dilution followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). Positive staining on mouse pancreatic islet is observed. Insulin is counter stained using ab6995 Anti-Insulin mouse monoclonal antibody. The nuclear counterstain was DAPI (Blue).
Secondary antibody control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

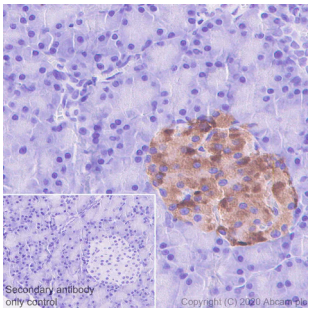


Immunohistochemistry (Frozen sections) - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunohistochemistry (Frozen sections) staining using rabbit Anti-SV2A antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Mouse cerebrum tissue labeling SV2A with ab254351 at 1/100 dilution followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). Positive staining on mouse cerebrum is observed. The nuclear counterstain was DAPI (Blue).
Secondary antibody control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488)at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

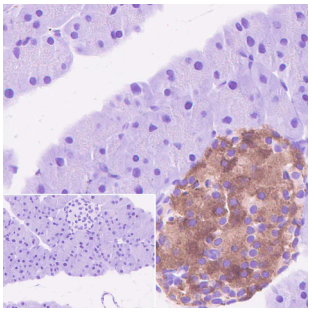


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-SV2A antibody

Immunohistochemical analysis of paraffin-embedded Rat pancreas tissue labeling SV2A with ab254351 at 1/1000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Cytoplasmic staining in rat pancreatic islet (PMID:16306227). The section was incubated with ab254351 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

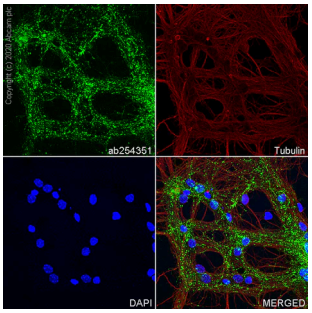


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-SV2A antibody

Immunohistochemical analysis of paraffin-embedded Mouse pancreas tissue labeling SV2A with ab254351 at 1/1000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Cytoplasmic staining in mouse pancreatic islet (PMID:16306227). The section was incubated with ab254351 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin. Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

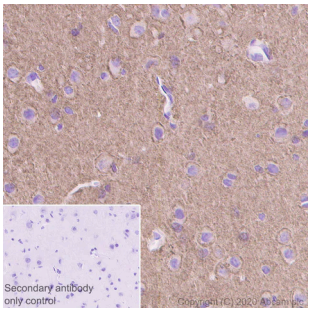
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Immunocytochemistry/ Immunofluorescence - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-SV2A antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized mouse primary neuron cell cells labelling SV2A with ab254351 at 1/100 dilution, followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in mouse primary neuron cells. ab195889 Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue). Secondary antibody only control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1000 dilution.

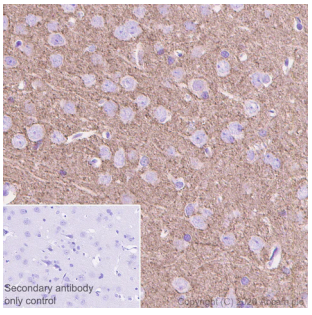


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-SV2A antibody

Immunohistochemical analysis of paraffin-embedded Mouse cerebrum tissue labeling SV2A with ab254351 at 1/1000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Cytoplasmic staining in mouse cerebrum (PMID:16306227). The section was incubated with ab254351 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.
Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

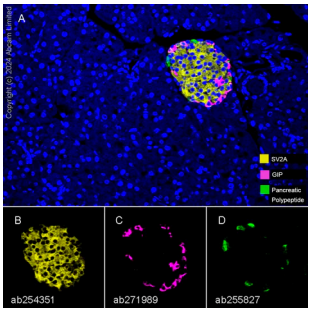


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-SV2A antibody

Immunohistochemical analysis of paraffin-embedded Rat cerebrum tissue labeling SV2A with ab254351 at 1/1000 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). Cytoplasmic staining in rat cerebrum (PMID:16306227). The section was incubated with ab254351 for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.
Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Multiplex immunohistochemistry - Anti-SV2A antibody [EPR23500-32] (ab254351)

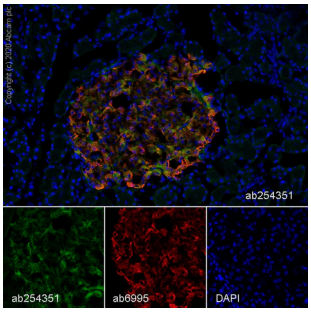
Fluorescence multiplex immunohistochemical analysis of the mouse pancreas (Formalin/PFA-fixed paraffin-embedded sections).

Panel A: merged staining of anti-SV2A (yellow; Opal™520), anti-GIP (magenta; Opal™570) and anti-Pancreatic Polypeptide (green; Opal™690) on mouse pancreas.
Panel B: anti-SV2A staining predominantly the beta cells in mouse pancreas islet.
Panel C: anti-GIP staining the alpha cells in mouse pancreas islet.
Panel D: anti-Pancreatic Polypeptide staining the PP cells in mouse pancreas islet.

Nuclear DNA was labelled with DAPI (shown in blue). The section was incubated in three rounds of staining: in the order of ab254351 at 1/1000 dilution (0.48 µg/ml), ab271989 at 1/4000 dilution (0.25 µg/ml) and ab255827 at 1/10000 dilution (0.05 µg/ml) for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

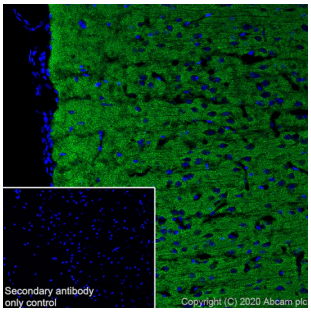


Immunohistochemistry (Frozen sections) - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunohistochemistry (Frozen sections) staining using rabbit Anti-SV2A antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat pancreas tissue labeling SV2A with ab254351 at 1/100 dilution followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). Positive staining on rat pancreatic islet is observed. Insulin is counter stained using ab6995 Anti-Insulin mouse monoclonal antibody. The nuclear counterstain was DAPI (Blue).
Secondary antibody control: Secondary antibody is ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488)at 1/1000 dilution.

Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

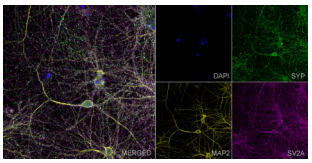


Immunohistochemistry (Frozen sections) - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunohistochemistry (Frozen sections) staining using rabbit Anti-SV2A antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen Rat cerebrum tissue labeling SV2A with ab254351 at 1/100 dilution followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (Green). Positive staining on rat cerebrum is observed. The nuclear counterstain was DAPI (Blue).
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Heat mediated antigen retrieval using sodium citrate buffer (10mM citrate pH 6.0 + 0.05% Tween-20).

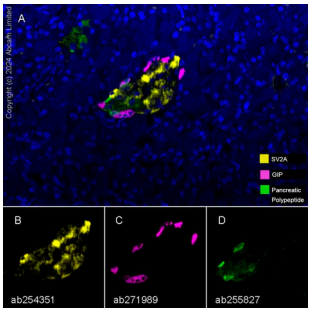


Immunocytochemistry/ Immunofluorescence - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Immunocytochemistry/ Immunofluorescence staining of Mouse Primary Neurons DIV14 cells using rabbit Anti-SV2A antibody

Composite multiplex immunofluorescence staining of ab302487, ab309493 and ab254351 staining MAP2, Synaptophysin and SV2A in Mouse Primary Neurons DIV14 cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal donkey serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at 4°C with ab289874 (shown in yellow), ab309493 (shown in green) and ab254351 (shown in magenta) at 5µg/ml. Cells were then incubated with ab150136 Donkey Anti-Goat IgG H&L (Alexa Fluor® 594) preadsorbed, ab150111 Donkey Anti-Mouse IgG H&L (Alexa Fluor® 647) preadsorbed and ab150061 Donkey Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution. Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Multiplex immunohistochemistry - Anti-SV2A antibody [EPR23500-32] (ab254351)

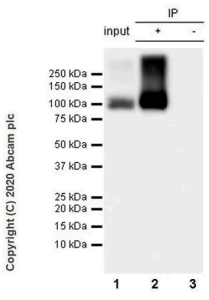
Fluorescence multiplex immunohistochemical analysis of the rat pancreas (Formalin/PFA-fixed paraffin-embedded sections).

Panel A: merged staining of anti-SV2A (yellow; Opal™520), anti-GIP (magenta; Opal™570) and anti-Pancreatic Polypeptide (green; Opal™690) on rat pancreas.
Panel B: anti-SV2A staining predominantly the beta cells in mouse pancreas islet.
Panel C: anti-GIP staining the alpha cells in rat pancreas islet.
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Nuclear DNA was labelled with DAPI (shown in blue). The section was incubated in three rounds of staining: in the order of ab254351 at 1/1000 dilution (0.48 µg/ml), ab271989 at 1/4000 dilution (0.25 µg/ml) and ab255827 at 1/10000 dilution (0.05 µg/ml) for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Immunoprecipitation - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A was immunoprecipitated from 0.35 mg Mouse brain tissue lysate with ab254351 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using 254351 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP)(ab131366) was used at 1/5000 dilution.
Lane 1: Mouse brain tissue lysate 10 ug

Lane 2: 254351 IP in Mouse brain tissue lysate

Lane 3:Rabbit monoclonal IgG (ab172730) instead of ab254551 in Mouse brain tissue lysate

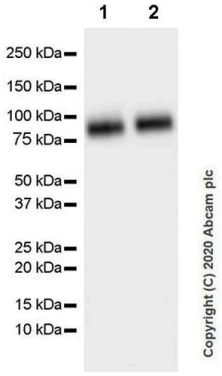
Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 3.25 seconds.

Samples are non-boiled as boiling may cause protein aggregates.
All lanes:
Immunoprecipitation - Anti-SV2A antibody [EPR23500-32] (ab254351)

Predicted band size: 83 kDa

Observed band size: 100 kDa



Western blot - Anti-SV2A antibody [EPR23500-32] (ab254351)

Blocking and diluting buffer and concentration: 5% NFDM/TBST.
Samples are non-boiled as boiling may cause protein aggregates.

Exposure time: 3.25 seconds.

All lanes:
Western blot - Anti-SV2A antibody [EPR23500-32] (ab254351) at 1/1000 dilution

Lane 1:
Human brain tissue lysate at 20 µg

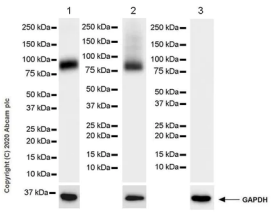
Lane 2:
Human hippocampus tissue lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051) at 1/100000 dilution

Predicted band size: 83 kDa

Observed band size: 80-100 kDa



Western blot - Anti-SV2A antibody [EPR23500-32] (ab254351)

Blocking and diluting buffer and concentration: 5% NFDM/TBST.
Samples are non-boiled as boiling may cause protein aggregates.

Negative control: NIH/3T3 (PMID:16556440)

Exposure times: Lane 1 : 5.5 seconds Lane 2, 3: 3.25.5 seconds.

All lanes:
Western blot - Anti-SV2A antibody [EPR23500-32] (ab254351) at 1/1000 dilution

Lane 1:
Mouse hippocampus tissue lysate at 20 µg

Lane 2:
Mouse brain tissue lysate at 20 µg

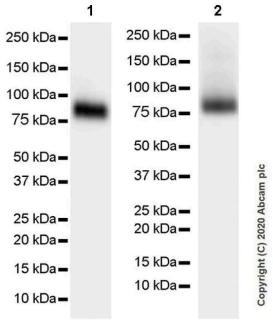
Lane 3:
NIH/3T3 (mouse embryonic fibroblast), whole cell lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051) at 1/100000 dilution

Predicted band size: 83 kDa

Observed band size: 80-100 kDa



Western blot - Anti-SV2A antibody [EPR23500-32] (ab254351)

SV2A Western blot staining using rabbit Anti-SV2A antibody

Blocking and diluting buffer and concentration: 5% NFDM/TBST.
Samples are non-boiled as boiling may cause protein aggregates.

Exposure times: Lane 1: 5.5 seconds Lane 2: 3.25 seconds.

All lanes:
Western blot - Anti-SV2A antibody [EPR23500-32] (ab254351) at 1/1000 dilution

Lane 1:
Rat hippocampus tissue lysate at 20 µg

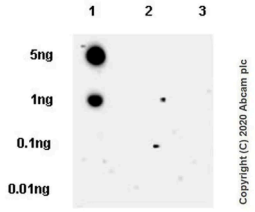
Lane 2:
Rat brain tissue lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051) at 1/100000 dilution

Predicted band size: 83 kDa

Observed band size: 80-100 kDa



Dot Blot - Anti-SV2A antibody [EPR23500-32] (ab254351)

Concentration of ab254351: 1/1000 dilution
Secondary ab: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ab97051), 1/100000 dilution

Blocking/diluting buffer and concentration: 5% NFDM/TBST

Lane 1: SV2A immunogen peptide

Lane 2: SV2C corresponding region of SV2A immunogen peptide

Lane 3: SV2A non-immunogen peptide

Exposure time: 3 minutes

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.