abcam

ab309106

Anti-VSV-G tag antibody [EPR28362-204]

Lab Essentials | Recombinant | RabMAb | 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	EPR28362-204
Purification technique	Affinity purification Protein A
Specificity	This antibody has only been tested with the VSV-G tag; recognition of the full-length VSV-G protein has not been experimentally verified.
Concentration	0.495 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt (Intra)

Tested

Species	Tag
Dilution info	1/500

Notes	-

ICC/IF

Tested

Species	Tag
Dilution info	1/2000
Notes	-

IHC-P

Tested

Species	Tag
Dilution info	1/5000
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

WB

Tested

Species	Tag
Dilution info	1/1000
Notes	-

IP

Not recommended

Species	Tag
Dilution info	-
Notes	-

Target data

See full target information VSV-G tag

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

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.

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.

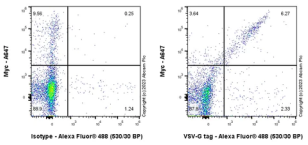
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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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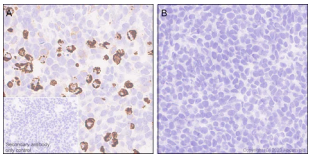
7 product images



Flow Cytometry (Intracellular) - Anti-VSV-G tag antibody [EPR28362-204] (ab309106)

VSV-G tag Flow Cytometry (Intracellular) staining of HEK293T (human embryonic kidney epithelial cell) using rabbit Anti-VSV-G tag antibody

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized HEK293T (human embryonic kidney epithelial cell) co-transfected with a VSVG-tag expression vector containing a his tag. cells labeling VSV-G tag with ab309106 at 1/500 dilution (0.1 ug)/Right (Red) compared with a Rabbit monoclonal IgG (ab172730) / Left isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat Anti-Rabbit IgG (Alexa Fluor® 488, ab150081) at 1/5000 dilution was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VSV-G tag antibody [EPR28362-204] (ab309106)

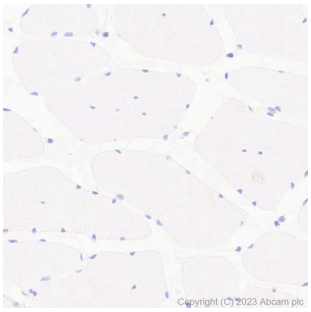
VSV-G tag Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of VSVG-tag overexpression HEK293T cells using rabbit Anti-VSV-G tag antibody

Immunohistochemical analysis of paraffin-embedded cell pellets A) HEK293T (human embryonic kidney epithelial cell) co-transfected with a VSVG-tag expression vector containing a his tag and (B) HEK-293T cells transfected with empty vector staining VSV-G tag with ab309106 at 1/5000 dilution (0.101 ug/ml) followed by ready to use LeicaDS9800 (Bond®Polymer Refine Detection).

Cytoplasmic staining on VSVG-tag overexpression HEK293T cells, no staining on parental HEK293T cells.
The section was incubated with ab309106 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 ready to use LeicaDS9800 (Bond® Polymer Refine Detection).

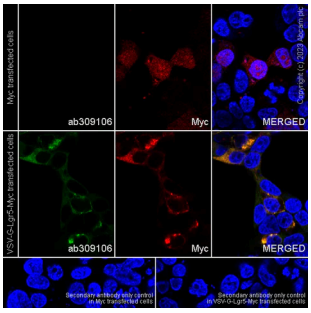
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VSV-G tag antibody [EPR28362-204] (ab309106)

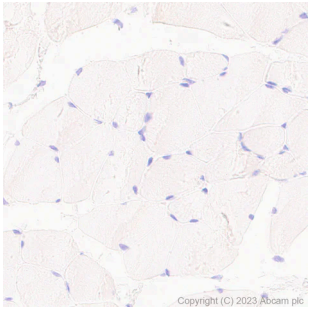
VSV-G tag Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Human skeletal muscle using rabbit Anti-VSV-G tag antibody

Immunohistochemical analysis of paraffin-embedded Human skeletal muscle tissue staining VSV-G tag with ab309106 at 1/5000 (0.101 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Negative control: no staining on human skeletal muscle. The section was incubated with ab309106 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 Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Immunocytochemistry/ Immunofluorescence - Anti-VSV-G tag antibody [EPR28362-204] (ab309106)

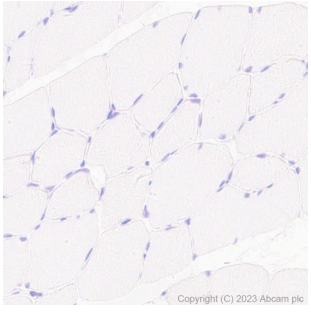
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized 293T cells labeling VSV-G tag with ab309106 at 1/2000 (0.252 ug/ml) dilution, followed by ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 2 ug/ml dilution (Green). Confocal image showing cytoplasmic staining in 293T cells transfected with a mouse VSV-G-Lgr5 expression vector containing a myc tag. The image was taken with a confocal microscope(Leica-Microsystems, TCS SP8). is observed. Myc-Tag Mouse mab (Alexa Fluor® 647) was used to counterstain tubulin at 1/100 0.38ug/ml dilution (Red). The Nuclear counterstain was DAPI (Blue). Secondary antibody only control: Secondary antibody is ab150081 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 2 ug/ml dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VSV-G tag antibody [EPR28362-204] (ab309106)

VSV-G tag Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Mouse skeletal muscle using rabbit Anti-VSV-G tag antibody

Immunohistochemical analysis of paraffin-embedded Mouse skeletal muscle tissue staining VSV-G tag with ab309106 at 1/5000 (0.101 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Negative control: no staining on mouse skeletal muscle. The section was incubated with ab309106 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 Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

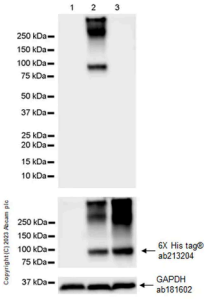


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VSV-G tag antibody [EPR28362-204] (ab309106)

VSV-G tag Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining of Rat skeletal muscle using rabbit Anti-VSV-G tag antibody

Immunohistochemical analysis of paraffin-embedded Rat skeletal muscle tissue staining VSV-G tag with ab309106 at 1/5000 (0.101 ug/ml) followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Negative control: no staining on rat skeletal muscle. The section was incubated with ab309106 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 Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.



Western blot - Anti-VSV-G tag antibody [EPR28362-204] (ab309106)

Blocking and diluting buffer and concentration: 5% NFDM/TBST In Western blot, anti-His antibody (ab213204) staining at 1/5000 dilution. In Western blot, anti-GAPDH antibody (ab181602) loading control staining at 1/200000 dilution.
All lanes:
Western blot - Anti-VSV-G tag antibody [EPR28362-204] (ab309106) at 1/1000 dilution

Lane 1:
293T cells transfected with an empty vector (vector control), whole cell lysate at 10 µg

Lane 2:
293T cells transfected with VSV-G-Lgr5 (mouse) expression vector containing a myc-His-tag®, whole cell lysate at 10 µg

Lane 3:
293T cells transfected with mouse Lgr5 expression vector containing a myc-His-tag®, whole cell lysate at 10 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Observed band size: 100 kDa

Exposure time: 8s

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