abcam

ab251252

Anti-SRSF3 antibody [EPR16976] - BSA and Azide free

Recombinant RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR16976
Purification technique	Affinity purification Protein A
Concentration	1.035 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Mouse, Rat, Human
Dilution info	-

Notes	-

ICC/IF

Tested

Species	Rat
Dilution info	-
Notes	-

Expected

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

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Expected

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

IHC-P

Tested

Species	Mouse
Dilution info	-
Notes	

	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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

Expected

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

Target data

See full target information SRSF3

Function	Splicing factor, which binds the consensus motif 5'-C[ACU][AU]C[ACU][AC]C-3' within pre-mRNA and promotes specific exons inclusion during alternative splicing (PubMed:17036044, PubMed:26876937, PubMed:32440474). Interaction with YTHDC1, a RNA-binding protein that recognizes and binds N6-methyladenosine (m6A)-containing RNAs, promotes recruitment of SRSF3 to its mRNA-binding elements adjacent to m6A sites within exons (PubMed:26876937). Also functions as an adapter involved in mRNA nuclear export (PubMed:11336712, PubMed:18364396, PubMed:28984244). Binds mRNA which is thought to be transferred to the NXF1-NXT1 heterodimer for export (TAP/NXF1 pathway); enhances NXF1-NXT1 RNA-binding activity (PubMed:11336712, PubMed:18364396). Involved in nuclear export of m6A-containing mRNAs via interaction with YTHDC1: interaction with YTHDC1 facilitates m6A-containing mRNA-binding to both SRSF3 and NXF1, promoting mRNA nuclear export (PubMed:28984244).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab251252 is the carrier-free version of ab198291.

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.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

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

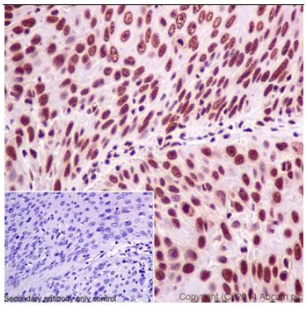
We do not recommend this combination. It is not covered by our product promise.

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.

9 product images

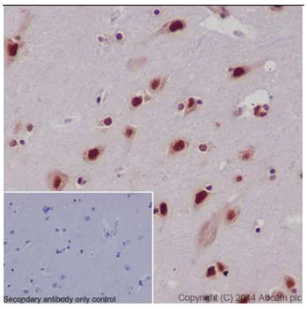


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SRSF3 antibody [EPR16976] - BSA and Azide free (ab251252)

SRSF3 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-SRSF3 antibody

This data was developed using ab198291, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human cervix carcinoma tissue labeling SRSF3 with ab198291 at 1/500 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Nuclear staining on Human cervix carcinoma tissue is observed. Counter stained with Hematoxylin.
Negative control: Used PBS instead of primary ab.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

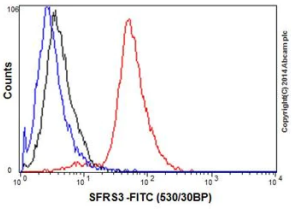


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SRSF3 antibody [EPR16976] - BSA and Azide free (ab251252)

SRSF3 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-SRSF3 antibody

This data was developed using ab198291, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human cerebral cortex tissue labeling SRSF3 with ab198291 at 1/500 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Nuclear and weakly cytoplasm staining on Human cerebral cortex tissue is observed. Counter stained with Hematoxylin.
Negative control: Used PBS instead of primary ab.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

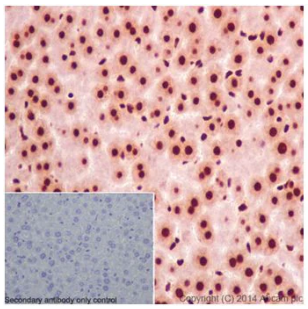


Flow Cytometry (Intracellular) - Anti-SRSF3 antibody [EPR16976] - BSA and Azide free (ab251252)

SRSF3 Flow Cytometry (Intracellular) staining using rabbit Anti-SRSF3 antibody

This data was developed using ab198291, the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T Cell Leukemia cells from peripheral blood) labeling SRSF3 with ab198291 at 1/440 dilution (red) compared with a Rabbit monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (FITC) at 1/150 dilution was used as the secondary antibody.

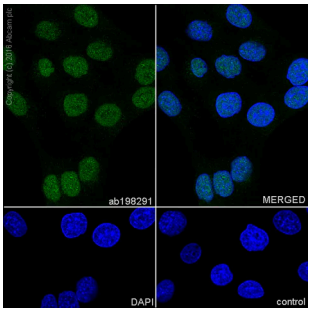


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SRSF3 antibody [EPR16976] - BSA and Azide free (ab251252)

SRSF3 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-SRSF3 antibody

This data was developed using ab198291, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Mouse liver tissue labeling SRSF3 with ab198291 at 1/500 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/500 dilution. Nuclear and weakly cytoplasm staining on mouse liver tissue is observed. Counter stained with Hematoxylin.
Negative control: Used PBS instead of primary ab.

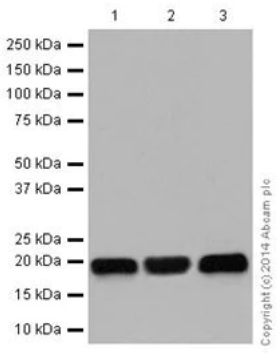
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-SRSF3 antibody [EPR16976] - BSA and Azide free (ab251252)

SRSF3 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-SRSF3 antibody

This data was developed using ab198291, the same antibody clone in a different buffer formulation.
Immunocytochemistry/Immunofluorescence analysis of PC-12 (Rat adrenal gland pheochromocytoma cell line) labelling SRSF3 with purified ab198291 at 1/500. Cells were fixed with 4% PFA and permeabilized with 0.1% triton X-100. ab150077 Goat anti rabbit IgG (Alexa Fluor® 488) at 1/1000 was used as the secondary antibody. Nuclei were counterstained with DAPI. PBS was used instead of the primary antibody as the negative control.



Western blot - Anti-SRSF3 antibody [EPR16976] - BSA and Azide free (ab251252)

SRSF3 Western blot staining using rabbit Anti-SRSF3 antibody

This data was developed using ab198291, the same antibody clone in a different buffer formulation.
Blocking and dilution buffer: 5% NFDM/TBST.

All lanes:
Western blot - Anti-SRSF3 antibody [EPR16976] (ab198291) at 1/5000 dilution

Lane 1:
Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate at 20 µg

Lane 2:

HepG2 (Human liver hepatocellular carcinoma) whole cell lysate at 20 µg

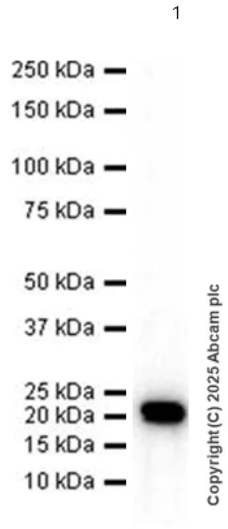
Lane 3:
K562 (Human chronic myelogenous leukemia cells from bone marrow) whole cell lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 19 kDa

Observed band size: 19 kDa



Western blot - Anti-SRSF3 antibody [EPR16976] - BSA and Azide free (ab251252)

SRSF3 Western blot staining of Jurkat (human T cell leukemia T lymphocyte) whole cell lysate using rabbit Anti-SRSF3 antibody

This data was developed using ab198291, the same antibody clone in a different buffer formulation.
Blocking and diluting buffer and concentration: 5% NFDM/TBST.

The 20 kDa band size was observed under Tris-Glycine electrophoresis conditions (4–20% Tris-Glycine gradient gel; Tris Glycine running buffer, pH 8.3). Note: Observed molecular weights can vary with electrophoresis systems.

All lanes:
Western blot - Anti-SRSF3 antibody [EPR16976] (ab198291) at 1/5000 dilution

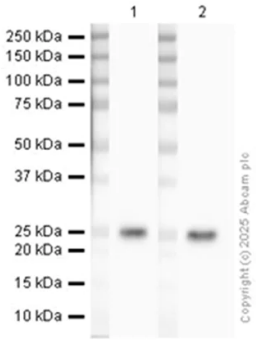
All lanes:
Jurkat (human T cell leukemia T lymphocyte) whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Observed band size: 20 kDa

Exposure time: 180s



Western blot - Anti-SRSF3 antibody [EPR16976] - BSA and Azide free (ab251252)

SRSF3 Western blot staining of Jurkat (human T cell leukemia T lymphocyte) whole cell lysate using rabbit Anti-SRSF3 antibody

This data was developed using ab198291, the same antibody clone in a different buffer formulation.
Blocking and diluting buffer and concentration: 5% NFDM/TBST.

The 25 kDa band size was observed under Bis-Tris electrophoresis conditions (4–12% Bis-Tris gradient gel; MES running buffer, pH 6.5). Note: Observed molecular weights can vary with electrophoresis systems.

All lanes:

Western blot - Anti-SRSF3 antibody [EPR16976] (ab198291) at 1/5000 dilution

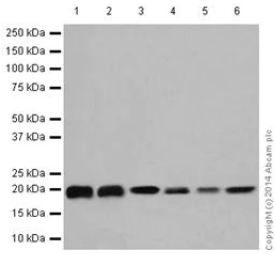
All lanes:
Jurkat (human T cell leukemia T lymphocyte) whole cell lysate at 10 µg

Secondary

All lanes:
Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/50000 dilution

Observed band size: 25 kDa

Exposure time: 30s



Western blot - Anti-SRSF3 antibody [EPR16976] - BSA and Azide free (ab251252)

SRSF3 Western blot staining using rabbit Anti-SRSF3 antibody

This data was developed using ab198291, the same antibody clone in a different buffer formulation.
Blocking and dilution buffer: 5% NFDM/TBST.

All lanes:
Western blot - Anti-SRSF3 antibody [EPR16976] (ab198291) at 1/1000 dilution

Lane 1:
Mouse brain lysate at 10 µg

Lane 2:
Rat brain lysate at 10 µg

Lane 3:
C6 (Rat glial tumor) whole cell lysate at 10 µg

Lane 4:
RAW 264.7(Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate at 10 µg

Lane 5:
PC-12 (Rat adrenal gland pheochromocytoma) whole cell lysate at 10 µg

Lane 6:
NIH/3T3 (Mouse embryo fibroblast cells) whole cell lysate at 10 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 19 kDa

Observed band size: 19 kDa

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