abcam

ab249275

Anti-SNRPF antibody [EPR10389(B)] - 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	EPR10389(B)
Purification technique	Affinity purification Protein A

Reactivity data

ICC/IF

Not recommended

Species	Rat, Human, Mouse
Dilution info	-
Notes	-

IP

Not recommended

Species	Rat, Human, Mouse
Dilution info	-
Notes	-

WB

Tested

Species	Rat
Dilution info	-
Notes	-

Expected

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

Predicted

Species	Mouse
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Rat, Human, Mouse
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Expected

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

Predicted

Species	Mouse
Dilution info	-
Notes	-

Target data

See full target information SNRPF

Function	Plays a role in pre-mRNA splicing as a core component of the spliceosomal U1, U2, U4 and U5 small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome (PubMed:11991638, PubMed:18984161, PubMed:19325628, PubMed:23333303, PubMed:25555158, PubMed:26912367, PubMed:28076346, PubMed:28502770, PubMed:28781166, PubMed:32494006). Component of both the pre-catalytic spliceosome B complex and activated spliceosome C complexes (PubMed:11991638, PubMed:28076346, PubMed:28502770, PubMed:28781166). As a component of the minor spliceosome, involved in the splicing of U12-type introns in pre-mRNAs (PubMed:15146077). As part of the U7 snRNP it is involved in histone 3'-end processing (PubMed:12975319).

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

ab249275 is the carrier-free version of ab156587.

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.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	SNRPF also known as Small Nuclear Ribonucleoprotein Polypeptide F plays a mechanical role in the spliceosomal complex. It is a component of the U1 U2 U4 U5 and U6 small nuclear ribonucleoproteins (snRNPs) essential in mRNA splicing. This protein has a mass of approximately 9.5 kDa. It is mainly expressed in the nucleus of eukaryotic cells where it participates in RNA processing.
Biological function summary	SNRPF functions as a part of the spliceosome assembly a large ribonucleoprotein complex responsible for pre-mRNA splicing. This process modifies nascent RNA transcripts converting them into mature mRNA for translation. The role of SNRPF in association with other Sm core proteins enables the assembly and stabilization of the snRNPs facilitating the accurate execution of the splicing cycle.
Pathways	The involvement of SNRPF in mRNA processing stands out significantly. It acts within the spliceosome complex playing an important part in the mRNA splicing pathway. This pathway ensures the removal of introns and the proper joining of

	exons vital for producing functional RNA transcripts. SNRPF interacts with other proteins like SNRPD1 and SNRPD2 forming an intricate network pivotal in the regulation of gene expression.
Associated diseases and disorders	Defects in SNRPF expression or function have links to neurodegenerative disorders and certain cancers. Misregulation of splicing events potentially caused by altered levels of SNRPF connects to conditions such as spinal muscular atrophy. The protein's interactions with other splicing factors might influence the development of these diseases highlighting the importance of its proper regulation in cellular processes.

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

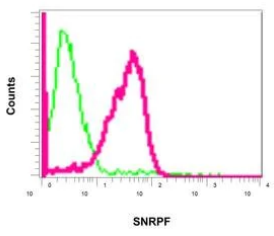
We do not recommend this combination. It is not covered by our product promise.

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.

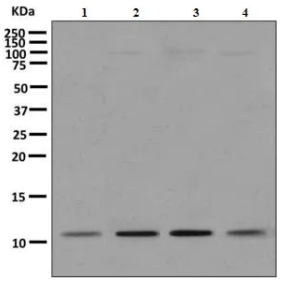
2 product images



Flow Cytometry (Intracellular) - Anti-SNRPF antibody [EPR10389(B)] - BSA and Azide free (ab249275)

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

This data was developed using ab156587, the same antibody clone in a different buffer formulation.
Intracellular flow cytometric analysis of permeabilized MCF7 cells labeling SNRPF with ab156587 at 1/100 dilution (red) or a rabbit IgG control (green).



Western blot - Anti-SNRPF antibody [EPR10389(B)] - BSA and Azide free (ab249275)

This data was developed using ab156587, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-SNRPF antibody [EPR10389(B)] (ab156587) at 1/1000 dilution

Lane 1:
C6 cell lysates at 10 µg

Lane 2:
MCF7 cell lysate at 10 µg

Lane 3:
PC12 cell lysate at 10 µg

Lane 4:
HepG2 cell lysate at 10 µg

Secondary

All lanes:
HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 10 kDa

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