abcam

ab250549

Anti-NHP2L1 antibody [EPR11671] - 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	EPR11671
Purification technique	Affinity purification
Concentration	1.009 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	-

Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

IP

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

WB

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	-
Notes	-

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information SNU13

Function Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797). Involved in pre-mRNA splicing as component of the spliceosome (PubMed:28781166). Binds to the 5'-stem-loop of U4 snRNA and thereby contributes to spliceosome assembly (PubMed:10545122, PubMed:17412961). The protein undergoes a conformational

change upon RNA-binding (PubMed:10545122, PubMed:17412961, PubMed:28781166). Core component of box C/D small nucleolar ribonucleoprotein (snoRNP) complexes that function in methylation of multiple sites on ribosomal RNAs (rRNAs) and messenger RNAs (mRNAs) (PubMed:39570315).

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

ab250549 is the carrier-free version of ab181982.

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.

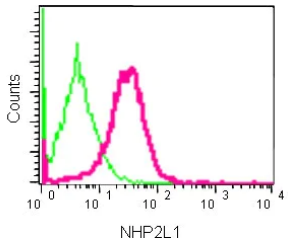
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

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.

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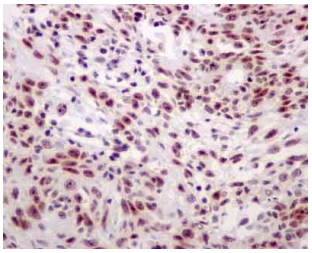
5 product images



Flow Cytometry (Intracellular) - Anti-NHP2L1 antibody [EPR11671] - BSA and Azide free (ab250549)

NHP2L1 Flow Cytometry (Intracellular) staining using rabbit Anti-NHP2L1 antibody

This data was developed using ab181982, the same antibody clone in a different buffer formulation.
Intracellular Flow Cytometry analysis of MCF-7 cells labeling NHP2L1 using ab181982 at 1/50 dilution. A Goat anti rabbit IgG (FITC) at 1/150 dilution was used as secondary antibody. Cells were fixed with 2% paraformaldehyde. Isotype control: Rabbit monoclonal IgG.

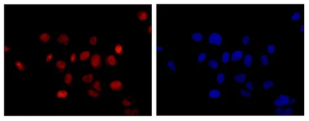


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NHP2L1 antibody [EPR11671] - BSA and Azide free (ab250549)

NHP2L1 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-NHP2L1 antibody

This data was developed using ab181982, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin embedded Human lung carcinoma tissue labeling NHP2L1 with ab181982 at 1/1000 dilution followed by secondary Ready to use HRP Polymer for Rabbit IgG and hematoxylin counterstain.

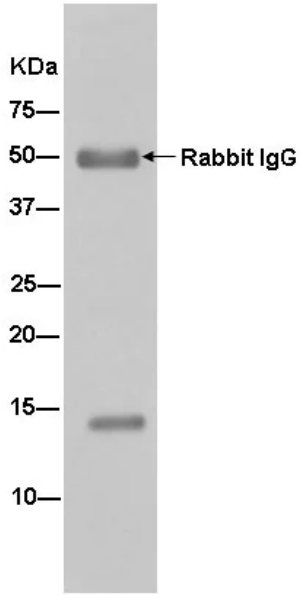
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-NHP2L1 antibody [EPR11671] - BSA and Azide free (ab250549)

NHP2L1 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-NHP2L1 antibody

This data was developed using ab181982, the same antibody clone in a different buffer formulation.
Immunofluorescence analysis of HeLa cells labeling NHP2L1 with ab181982 at 1/500 dilution followed by Goat anti rabbit IgG(Alexa Fluor® 555) (1/200 dilution) and counter stained with Dapi.

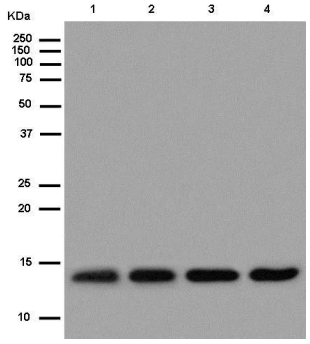


Immunoprecipitation - Anti-NHP2L1 antibody [EPR11671] - BSA and Azide free (ab250549)

This data was developed using ab181982, the same antibody clone in a different buffer formulation.
Immunoprecipitation analysis of MCF-7 cells labeling NHP2L1 using ab181982 at 1/40 dilution. A Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 was used as secondary antibody.

All lanes:
Immunoprecipitation - Anti-NHP2L1 antibody [EPR11671] (ab181982)

Predicted band size: 14 kDa



Western blot - Anti-NHP2L1 antibody [EPR11671] - BSA and Azide free (ab250549)

This data was developed using ab181982, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-NHP2L1 antibody [EPR11671] (ab181982) at 1/20000 dilution

Lane 1:
HepG2 cell lysate at 20 µg

Lane 2:
HeLa cell lysate at 20 µg

Lane 3:
Jurkat cell lysate at 20 µg

Lane 4:
MCF-7 cell lysate at 20 µg

Secondary

All lanes:

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

Predicted band size: 14 kDa

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