abcam

Product datasheet

Anti-SNRPD2 antibody [EPR16762] ab198296

Recombinant RabMAb

3 References 7 Images

Overview

Product name	Anti-SNRPD2 antibody [EPR16762]
Description	Rabbit monoclonal [EPR16762] to SNRPD2
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, Flow Cyt (Intra), IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HepG2, MCF7, A549, HeLa, Mouse brain, Mouse spleen, Rat brain, Mouse spleen, C6, RAW 264.7 and PC12 lysates. IHC: Human and Rat kidney tissues. ICC/IF: HeLa and MCF7 cells. Flow Cyt (intra): HeLa cells
General notes	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 production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16762

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab198296 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000. Detects a band of approximately 14 kDa (predicted molecular weight: 14 kDa).
IHC-P		1/600. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
Flow Cyt (Intra)		1/150.
IP		Use at an assay dependent concentration.

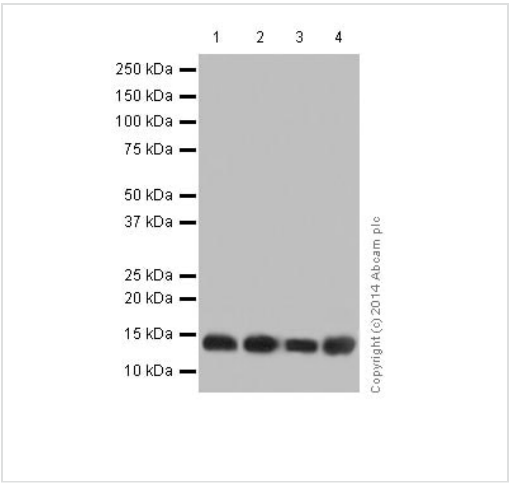
Target

Function Required for pre-mRNA splicing. Required for snRNP biogenesis.

Sequence similarities Belongs to the snRNP core protein family.

Cellular localization Nucleus.

Images



Western blot - Anti-SNRPD2 antibody [EPR16762] (ab198296)

All lanes : Anti-SNRPD2 antibody [EPR16762] (ab198296) at 1/20000 dilution

Lane 1 : HepG2 cell lysate
Lane 2 : MCF7 cell lysate
Lane 3 : A549 cell lysate
Lane 4 : HeLa cell lysate

Lysates/proteins at 20 µg per lane.

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

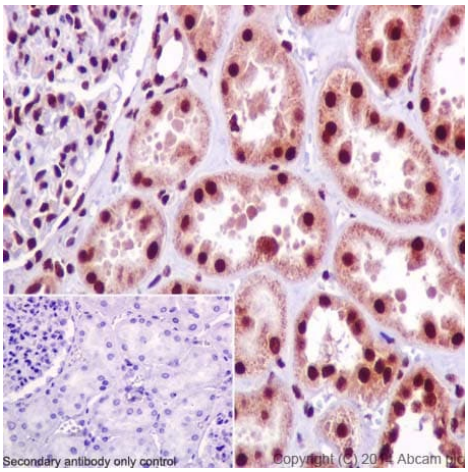
Developed using the ECL technique.

Predicted band size: 14 kDa

Observed band size: 14 kDa

Exposure time: 30 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

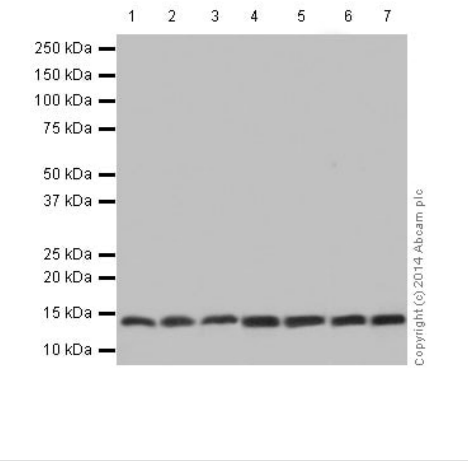


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNRPD2 antibody [EPR16762] (ab198296)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling SNRPD2 with ab198296 at 1/600 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Cytoplasm and nucleus staining on Human kidney tissue is observed. Counter stained with Hematoxylin.

Negative control Using PBS instead of primary antbody, secondary ab is Goat Anti-Rabbit IgG H&L (HRP)

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



Western blot - Anti-SNRPD2 antibody [EPR16762] (ab198296)

Lanes 1-6 : Anti-SNRPD2 antibody [EPR16762] (ab198296) at 1/2000 dilution
Lane 7 : Anti-SNRPD2 antibody [EPR16762] (ab198296) at 1/20000 dilution

Lane 1 : Mouse brain lysate
Lane 2 : Mouse spleen lysate
Lane 3 : Rat brain lysate
Lane 4 : Rat spleen lysate
Lane 5 : C6 cell lysate
Lane 6 : RAW 264.7 cell lysate
Lane 7 : PC12 cell lysate

Lysates/proteins at 10 µg per lane.

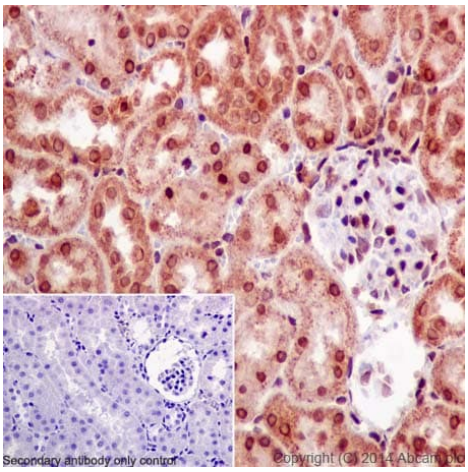
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 14 kDa
Observed band size: 14 kDa

Exposure time: 30 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.

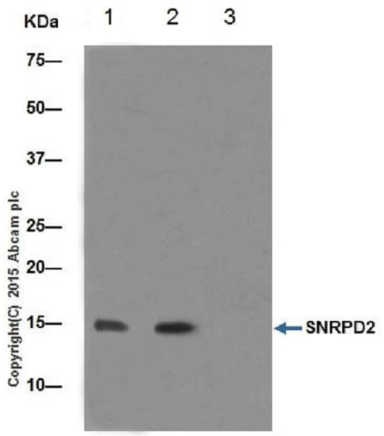


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SNRPD2 antibody [EPR16762] (ab198296)

Immunohistochemical analysis of paraffin-embedded Rat kidney tissue labeling SNRPD2 with ab198296 at 1/600 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Cytoplasm and nucleus staining on Rat kidney tissue is observed. Counter stained with Hematoxylin.

Negative control Using PBS instead of primary antbody, secondary ab is Goat Anti-Rabbit IgG H&L (HRP)

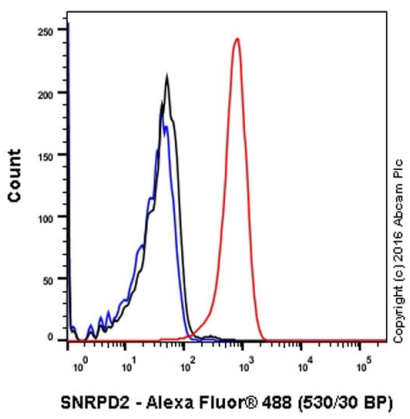
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-SNRPD2 antibody [EPR16762] (ab198296)

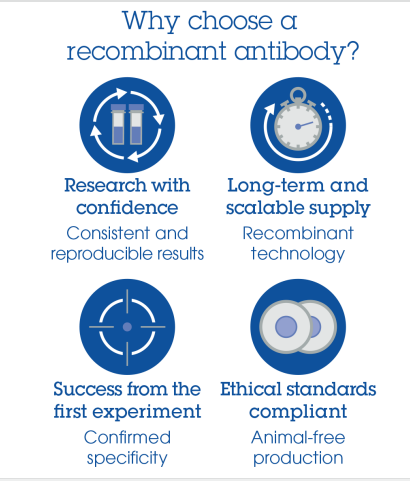
NRPD2 protein was immunoprecipitation from 1mg of MCF-7 (Human breast adenocarcinoma) whole cell lysate with ab198296 at 1/100 dilution. Western blot was performed from the immunoprecipitate using ab198296 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1000 dilution. Lane 1: Input, MCF-7 (Human breast adenocarcinoma) whole cell lysate, 10ug. Lane 2: IP of NRPD2 from MCF-7 (Human breast adenocarcinoma) whole cell lysate. Lane 3: IP using Rabbit monoclonal IgG (**ab172730**) instead of ab198296 in MCF-7 (Human breast adenocarcinoma) whole cell lysate.

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



Flow Cytometry (Intracellular) - Anti-SNRPD2 antibody [EPR16762] (ab198296)

Intracellular Flow Cytometry analysis of HeLa cells labelling SNRPD2 (red) with purified ab198296 at dilution of 1/150. The secondary antibody used was Alexa Fluorr® 488 goat-anti-rabbit IgG (1/2000). Cells were fixed with 4% paraformaldehyde and permeabilised with 90% methanol. Isotype control antibody was Rabbit monoclonal IgG (black). The blue line shows cells without incubation with primary antibody and secondary antibody.



Anti-SNRPD2 antibody [EPR16762] (ab198296)

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