


Product datasheet

Anti-SNF2H antibody [EPR7673(2)] ab183730

Recombinant RabMAb

[1 References](#) [3 Images](#)

Overview

Product name	Anti-SNF2H antibody [EPR7673(2)]
Description	Rabbit monoclonal [EPR7673(2)] to SNF2H
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	HeLa and MCF7 cell lysate. MCF7 cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR7673(2)

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab183730 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
ICC/IF		1/250.
WB		1/1000 - 1/10000. Detects a band of approximately 122 kDa (predicted molecular weight: 122 kDa).

Application notes Is unsuitable for Flow Cyt.

Target

Function Helicase that possesses intrinsic ATP-dependent nucleosome-remodeling activity. Complexes containing SMARCA5 are capable of forming ordered nucleosome arrays on chromatin; this may require intact histone H4 tails. Also required for replication of pericentric heterochromatin in S-phase specifically in conjunction with BAZ1A. Probably plays a role in repression of polII dependent transcription of the rDNA locus, through the recruitment of the SIN3/HDAC1 corepressor complex to the rDNA promoter. Essential component of the WICH complex, a chromatin remodeling complex that mobilizes nucleosomes and reconfigures irregular chromatin to a regular nucleosomal array structure. The WICH complex regulates the transcription of various genes, has a role in RNA polymerase I and RNA polymerase III transcription, mediates the histone H2AX phosphorylation at 'Tyr-142', and is involved in the maintenance of chromatin structures during DNA replication processes. Essential component of the NoRC (nucleolar remodeling complex) complex, a complex that mediates silencing of a fraction of rDNA by recruiting histone-modifying enzymes and DNA methyltransferases, leading to heterochromatin formation and transcriptional silencing.

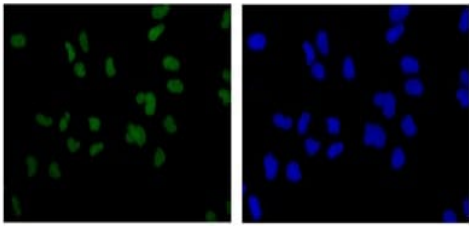
Tissue specificity Ubiquitously expressed.

Sequence similarities Belongs to the SNF2/RAD54 helicase family. ISWI subfamily.
Contains 1 helicase ATP-binding domain.
Contains 1 helicase C-terminal domain.
Contains 2 SANT domains.

Developmental stage Overexpressed in CD34-positive erythrocyte progenitor cells in acute myeloid leukemia. Down-regulation correlates with hematologic remission following chemotherapy.

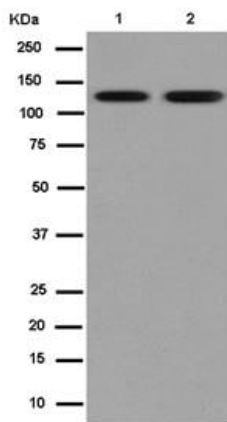
Cellular localization Nucleus.

Images



Immunocytochemistry/ Immunofluorescence - Anti-SNF2H antibody [EPR7673(2)] (ab183730)

Immunofluorescence analysis of HeLa cells (fixative -20% Acetone) labeling SNF2H with ab183730 at a 1/250 dilution. Goat anti rabbit IgG (Alexa Fluor® 488) secondary used at a 1/200 dilution. Right panel counterstain with Dapi.



Western blot - Anti-SNF2H antibody [EPR7673(2)] (ab183730)

All lanes : Anti-SNF2H antibody [EPR7673(2)] (ab183730) at 1/5000 dilution

Lane 1 : HeLa lysate

Lane 2 : MCF7 lysate



Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 122 kDa

Why choose a recombinant antibody?

 Research with confidence Consistent and reproducible results	 Long-term and scalable supply Recombinant technology
 Success from the first experiment Confirmed specificity	 Ethical standards compliant Animal-free production

Anti-SNF2H antibody [EPR7673(2)] (ab183730)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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