


Product datasheet

Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar Marker ab166630

Recombinant RabMAb

★★★★★ 1 Abreviews 12 References 12 Images

Overview

Product name	Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar Marker
Description	Rabbit monoclonal [EPR10823(B)] to Fibrillarin - Nucleolar Marker
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide corresponding to Human Fibrillarin aa 250 to the C-terminus. Database link: P22087
Positive control	293T, HeLa, HepG2, HT-29 and MOLT4 cell lysates; Human liver and Human testis tissues; HeLa cells. Permeabilized MOLT4 cells; Immunoprecipitation pellet from HepG2 whole cell lysate (ab7900).
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR10823(B)
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab166630 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
Flow Cyt (Intra)		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB	★★★★★ (1)	1/1000 - 1/5000. Predicted molecular weight: 33 kDa.
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/5000. For unpurified use at 1/100 - 1/250

Target

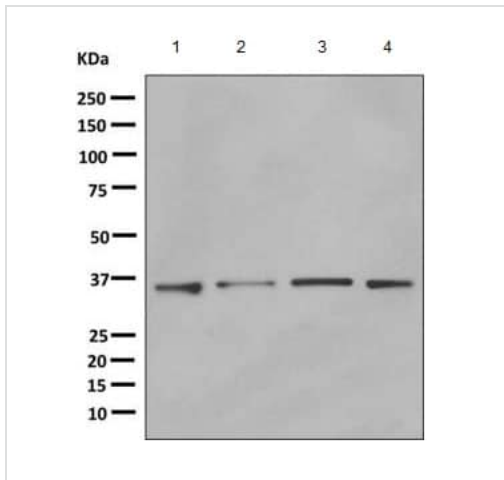
Function S-adenosyl-L-methionine-dependent methyltransferase that has the ability to methylate both RNAs and proteins. Involved in pre-rRNA processing by catalyzing the site-specific 2'-hydroxyl methylation of ribose moieties in pre-ribosomal RNA. Site specificity is provided by a guide RNA that base pairs with the substrate. Methylation occurs at a characteristic distance from the sequence involved in base pairing with the guide RNA. Also acts as a protein methyltransferase by mediating methylation of 'Gln-105' of histone H2A (H2AQ104me), a modification that impairs binding of the FACT complex and is specifically present at 35S ribosomal DNA locus (PubMed:24352239).

Sequence similarities Belongs to the methyltransferase superfamily. Fibrillarin family.

Post-translational modifications By homology to other fibrillarins, some or all of the N-terminal domain arginines are modified to asymmetric dimethylarginine (DMA).

Cellular localization Nucleus, nucleolus. Fibrillar region of the nucleolus.

Images



Western blot - Anti-Fibrillarin antibody
[EPR10823(B)] - Nucleolar Marker (ab166630)

All lanes : Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar
Marker (ab166630) at 1/1000 dilution

Lane 1 : 293T cell lysate

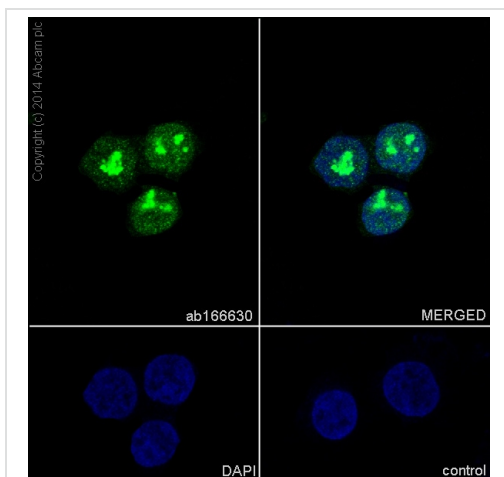
Lane 2 : HeLa cell lysate

Lane 3 : HepG2 cell lysate

Lane 4 : MOLT4 cell lysate

Lysates/proteins at 10 µg per lane.

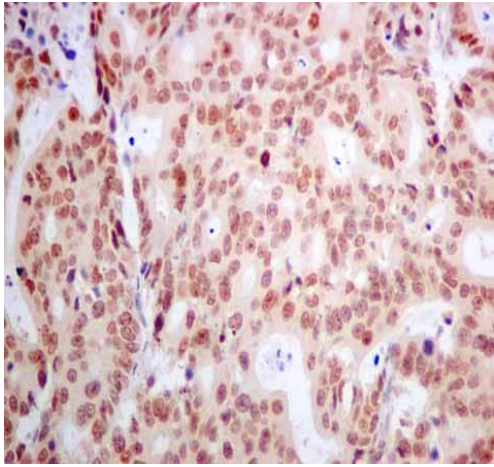
Predicted band size: 33 kDa



Immunocytochemistry/ Immunofluorescence - Anti-
Fibrillarin antibody [EPR10823(B)] - Nucleolar
Marker (ab166630)

Immunocytochemistry/Immunofluorescence analysis of HT-29
(human colorectal adenocarcinoma) cells labelling Fibrillarin (green)
with purified ab166630 at 1/5000. Cells were fixed with 4%
Paraformaldehyde and permeabilized with 0.1% Triton X-100.
[ab150077](#), Alexa Fluor® 488-conjugated goat anti-rabbit IgG
(1/1000) was used as the secondary antibody. DAPI (blue) was
used as a nuclear counterstain.

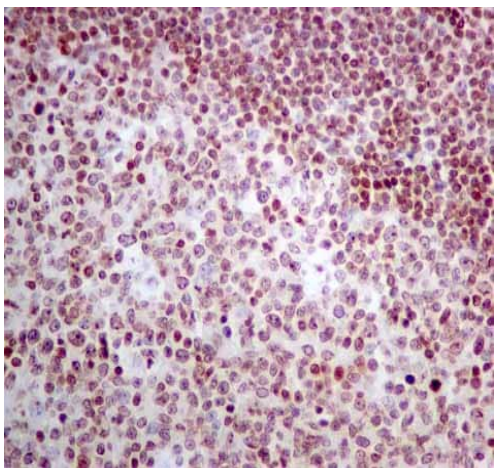
Secondary Only Control: PBS was used instead of the primary
antibody as the negative control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar Marker (ab166630)

ab166630 showing +ve staining in Human gastric adenocarcinoma.

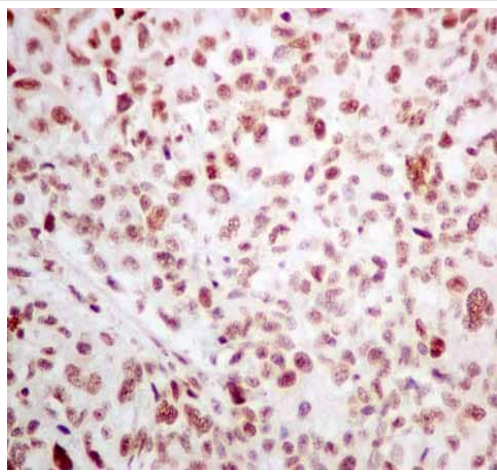
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar Marker (ab166630)

ab166630 showing +ve staining in Human normal tonsil.

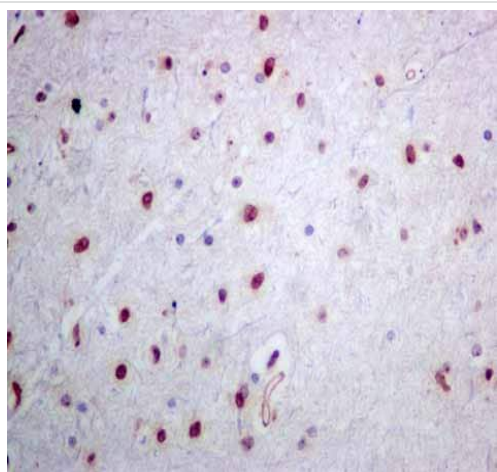
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar Marker (ab166630)

ab166630 showing +ve staining in Human melanoma.

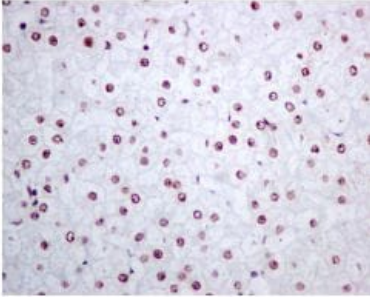
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar Marker (ab166630)

ab166630 showing +ve staining in Human glioma.

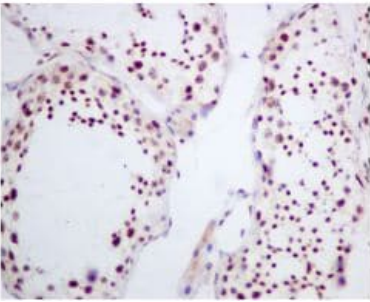
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar Marker (ab166630)

Immunohistochemical analysis of paraffin embedded Human liver tissue labeling Fibrillarin with ab166630 at a 1/100 dilution.

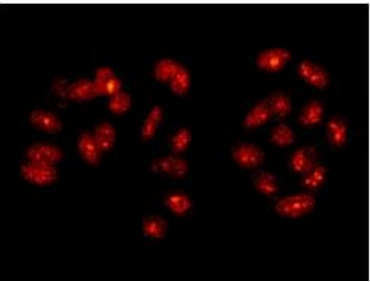
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar Marker (ab166630)

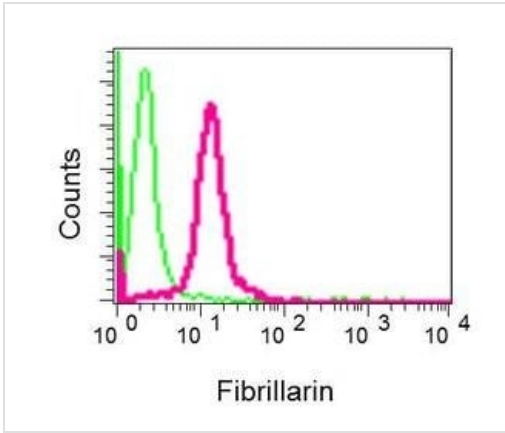
Immunohistochemical analysis of paraffin embedded Human testis tissue labeling Fibrillarin with ab166630 at a 1/100 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



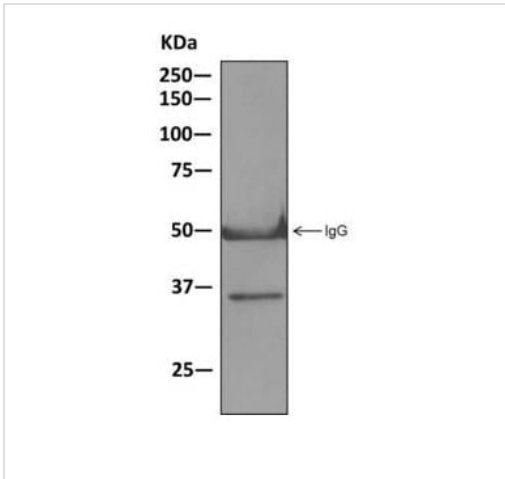
Immunocytochemistry/ Immunofluorescence - Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar Marker (ab166630)

Immunofluorescent analysis of HeLa cells labeling Fibrillarin with ab166630 at a 1/100 dilution.



Intracellular flow cytometric analysis of permeabilized MOLT4 cells using ab166630 at a 1/10 dilution (red) or a Rabbit IgG (negative) (green).

Flow Cytometry (Intracellular) - Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar Marker (ab166630)



Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar Marker (ab166630) at 1/1000 dilution + immunoprecipitation pellet from HepG2 cell lysate at 10 μ g

Predicted band size: 33 kDa

Western blot - Anti-Fibrillarin antibody [EPR10823(B)] - Nucleolar Marker (ab166630)

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-Fibrillar antibody [EPR10823(B)] - Nucleolar Marker (ab166630)

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

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