

Product datasheet

Anti-PNUTS antibody [EPR11706] ab173285

Recombinant RabMAb

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Overview

Product name	Anti-PNUTS antibody [EPR11706]
Description	Rabbit monoclonal [EPR11706] to PNUTS
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human PNUTS aa 550-650 (Cysteine residue). The exact sequence is proprietary. Database link: Q96QC0
Positive control	HeLa, HepG2 and Jurkat cell lysates; Human fetal brain lysate; Human breast and colon tissues; HeLa 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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture

	supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR11706
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab173285 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

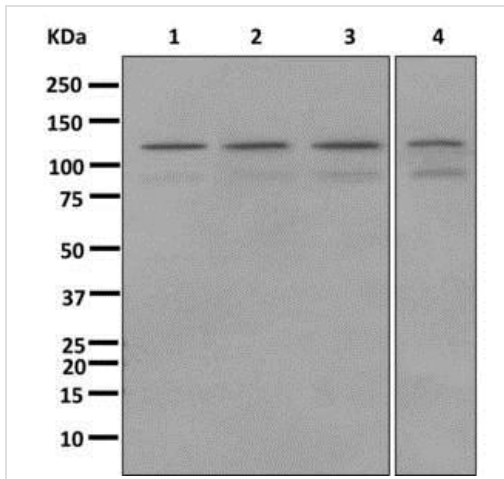
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 99 kDa.
ICC/IF		1/100 - 1/250.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Application notes Is unsuitable for Flow Cyt or IP.

Target

Function	Scaffold protein which mediates the formation of the PTW/PP1 phosphatase complex by providing a binding platform to each component of the complex. The PTW/PP1 phosphatase complex plays a role in the control of chromatin structure and cell cycle progression during the transition from mitosis into interphase. Mediates interaction of WDR82 and PPP1CA. Inhibitor of PPP1CA and PPP1CC phosphatase activities. Has inhibitory activity on PPP1CA only when phosphorylated. Binds to mRNA, single-stranded DNA (ssDNA), poly(A) and poly(G) homopolymers.
Tissue specificity	Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
Sequence similarities	Contains 1 C3H1-type zinc finger. Contains 1 TFIS N-terminal domain.
Post-translational modifications	Phosphorylated on Ser-398 by PKA within the region necessary for interaction with PPP1CA.
Cellular localization	Nucleus. Found in discrete nucleoplasmic bodies and within nucleoli. Associates with chromatin during interphase, excluded from condensed chromosomes during early mitosis and is reloaded onto chromosomes at the late telophase (By similarity).

Images



Western blot - Anti-PNUTS antibody [EPR11706] (ab173285)

All lanes : Anti-PNUTS antibody [EPR11706] (ab173285) at 1/1000 dilution

Lane 1 : HeLa cell lysate

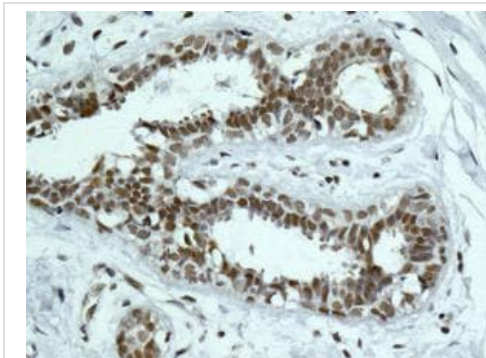
Lane 2 : Human fetal brain tissue lysate

Lane 3 : HepG2 cell lysate

Lane 4 : Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

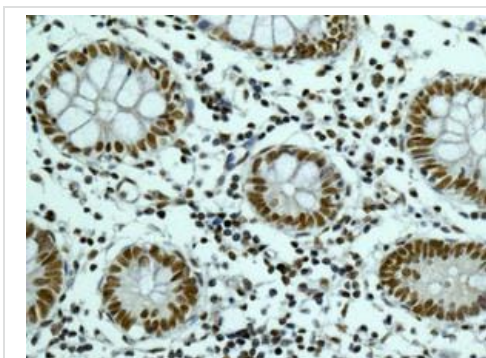
Predicted band size: 99 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PNUTS antibody [EPR11706] (ab173285)

Immunohistochemical analysis of paraffin-embedded Human breast tissue labeling PNUITS with ab173285 at 1/50 dilution.

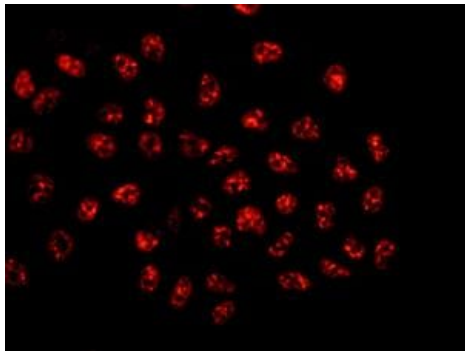
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PNUTS antibody [EPR11706] (ab173285)

Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling PNUITS with ab173285 at 1/50 dilution.

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



Immunofluorescent analysis of HeLa cells labeling PNUTS with ab173285 at 1/100 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-PNUTS antibody [EPR11706] (ab173285)

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-PNUTS antibody [EPR11706] (ab173285)

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

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