


Product datasheet

Anti-NHP2 antibody [EPR12404] ab180498

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [5 References](#) [4 Images](#)

Overview

Product name	Anti-NHP2 antibody [EPR12404]
Description	Rabbit monoclonal [EPR12404] to NHP2
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human NHP2 aa 1-100. The exact sequence is proprietary. Database link: Q9NX24
Positive control	K562, Jurkat, Caco 2 and SH-SY5Y lysates; Human ovarian carcinoma tissue; K562 cells.
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 long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR12404
Isotype	IgG

Applications

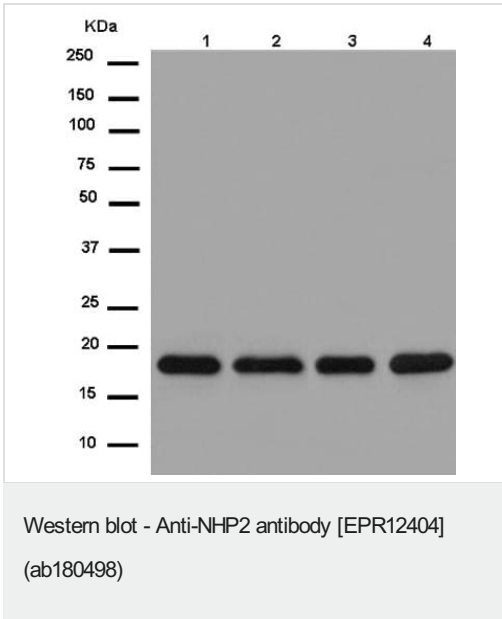
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab180498 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/20. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB	★★★★★ (1)	1/1000 - 1/10000. Detects a band of approximately 17 kDa (predicted molecular weight: 17 kDa).

Target

Function	Required for ribosome biogenesis and telomere maintenance. Part of the H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA. This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the normal N1. Each rRNA can contain up to 100 pseudouridine ("psi") residues, which may serve to stabilize the conformation of rRNAs. May also be required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme.
Tissue specificity	Expressed in brain, colon, heart, kidney, ovary, pancreas, placenta, prostate, skeletal muscle, small intestine, spleen, testis and thymus. Also expressed at lower levels in the liver.
Involvement in disease	Dyskeratosis congenita, autosomal recessive, 2
Sequence similarities	Belongs to the ribosomal protein L7Ae family.
Developmental stage	Transcript peaks at G1/S transition.
Cellular localization	Nucleus > nucleolus. Nucleus > Cajal body. Also localized to Cajal bodies.

Images



All lanes : Anti-NHP2 antibody [EPR12404] (ab180498) at 1/2000 dilution

Lane 1 : K562 lysate

Lane 2 : Jurkat lysate

Lane 3 : Caco-2 cell lysate

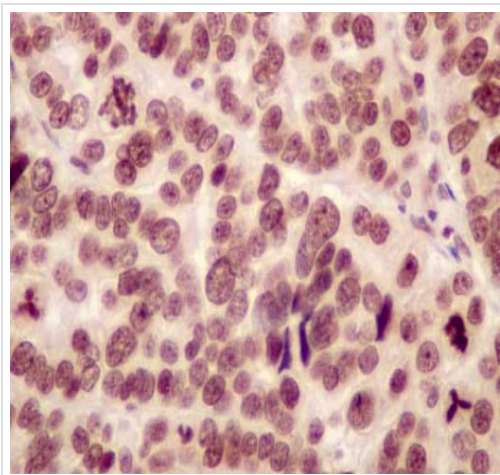
Lane 4 : SH-SY5Y cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

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

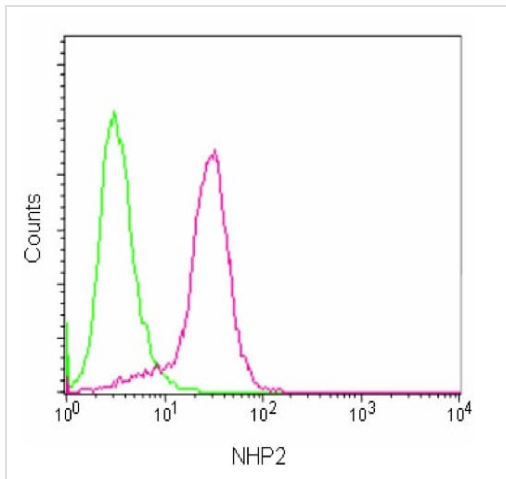
Predicted band size: 17 kDa



Immunohistochemical analysis of paraffin-embedded Human ovarian carcinoma tissue labeling NHP2 with ab180498 at 1/500 dilution followed by ImmunoHistoprobe (Ready to use) HRP Polymer for Rabbit IgG and counter stained with Hematoxylin.

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





Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NHP2 antibody [EPR12404] (ab180498)



Intracellular flow cytometric analysis of K562 cells (2% paraformaldehyde-fixed) labeling NHP2 with ab180498 at 1/20 (red) compared to a Rabbit monoclonal IgG negative control antibody (green) followed by Goat anti rabbit IgG (FITC) at 1/75 dilution.

Flow Cytometry (Intracellular) - Anti-NHP2 antibody [EPR12404] (ab180498)

Why choose a recombinant antibody?

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

Anti-NHP2 antibody [EPR12404] (ab180498)

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