

Product datasheet

Anti-PRP19 antibody [EPR7446] ab126776

Recombinant **RabMAb**

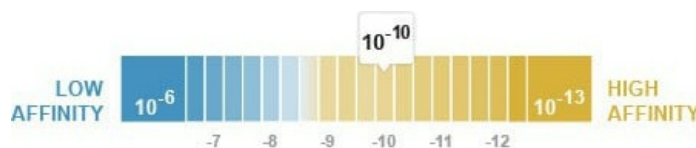
[2 References](#) [5 Images](#)

Overview

Product name	Anti-PRP19 antibody [EPR7446]
Description	Rabbit monoclonal [EPR7446] to PRP19
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human PRP19 aa 450-550. The exact sequence is proprietary.
Positive control	Human breast carcinoma and colon carcinoma tissues; HepG2, A431, MCF7, PC12, NIH 3T3, HeLa, K562, and U937 cell lysates.
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.
Dissociation constant (K_D)	K _D = 1.06 x 10 ⁻¹⁰ M



[Learn more about K_D](#)

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 EPR7446
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab126776 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. Detects a band of approximately 55 kDa (predicted molecular weight: 55 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Application notes Is unsuitable for IP.

Target

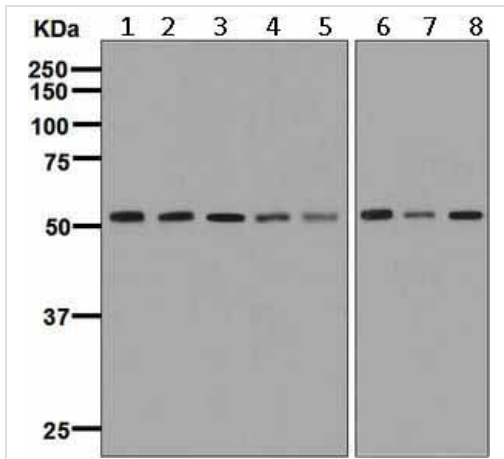
Function Plays a role in DNA double-strand break (DSB) repair and pre-mRNA splicing reaction. Binds double-stranded DNA in a sequence-nonspecific manner. Acts as a structural component of the nuclear framework. May also serve as a support for spliceosome binding and activity. Essential for spliceosome assembly in a oligomerization-dependent manner and might also be important for spliceosome stability. May have E3 ubiquitin ligase activity. The PSO4 complex is required in the DNA interstrand cross-links (ICLs) repair process. Overexpression of PRPF19 might extend the cellular life span by increasing the resistance to stress or by improving the DNA repair capacity of the cells.

Tissue specificity Ubiquitous. Weakly expressed in senescent cells of different tissue origins. Highly expressed in tumor cell lines.

Sequence similarities Belongs to the WD repeat PRP19 family.
Contains 1 U-box domain.
Contains 7 WD repeats.

Cellular localization Nucleus. Nucleus > nucleoplasm. Cytoplasm > cytoskeleton > spindle. Nucleoplasmic in interphase cells. Irregularly distributed in anaphase cells. In prophase cells, uniformly distributed, but not associated with condensing chromosomes. Found in extrachromosomal regions in metaphase cells. Mainly localized to the mitotic spindle apparatus when chromosomes segregate during anaphase. When nuclei reform during late telophase, uniformly distributed in daughter cells and displays no preferred association with decondensing chromatin.

Images



Western blot - Anti-PRP19 antibody [EPR7446] (ab126776)

All lanes : Anti-PRP19 antibody [EPR7446] (ab126776) at 1/1000 dilution

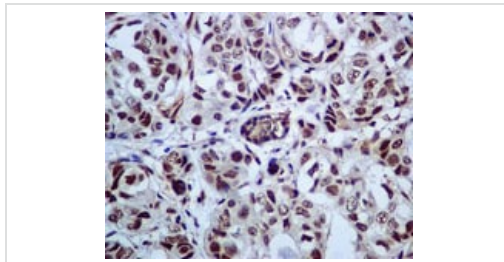
- Lane 1 :** HepG2 cell lysate
- Lane 2 :** A431 cell lysate
- Lane 3 :** MCF7 cell lysate
- Lane 4 :** PC12 cell lysate
- Lane 5 :** NIH 3T3 cell lysate
- Lane 6 :** HeLa cell lysate
- Lane 7 :** K562 cell lysate
- Lane 8 :** U937 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

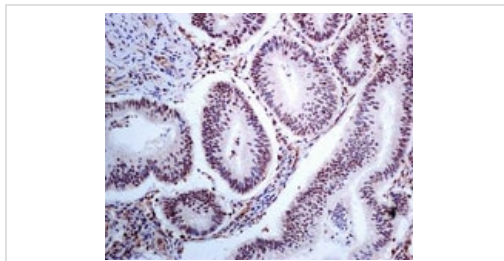
Predicted band size: 55 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRP19 antibody [EPR7446] (ab126776)

ab126776, at 1/50 dilution, staining PRP19 in Paraffin-embedded Human breast carcinoma tissue by Immunohistochemistry.

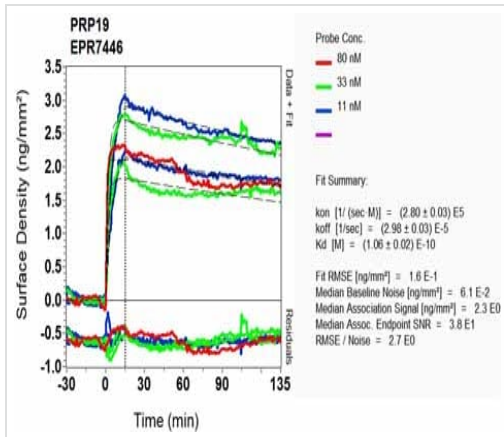
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PRP19 antibody [EPR7446] (ab126776)

ab126776, at 1/50 dilution, staining PRP19 in Paraffin-embedded Human colon carcinoma tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



SPR Scanning - Anti-PRP19 antibody [EPR7446]
(ab126776)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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-PRP19 antibody [EPR7446] (ab126776)

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

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