


Product datasheet

Anti-NPP-7 antibody [EPR12329] ab174281

Recombinant RabMAb

2 Images

Overview

Product name	Anti-NPP-7 antibody [EPR12329]
Description	Rabbit monoclonal [EPR12329] to NPP-7
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide within Human NPP-7 aa 350-450 (Cysteine residue). The exact sequence is proprietary. Database link: Q6UWV6
Positive control	Caco 2, HT-29 and Human fetal liver 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> <p>Rat: We have preliminary internal testing data to indicate this antibody may not react with this 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	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR12329
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab174281 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

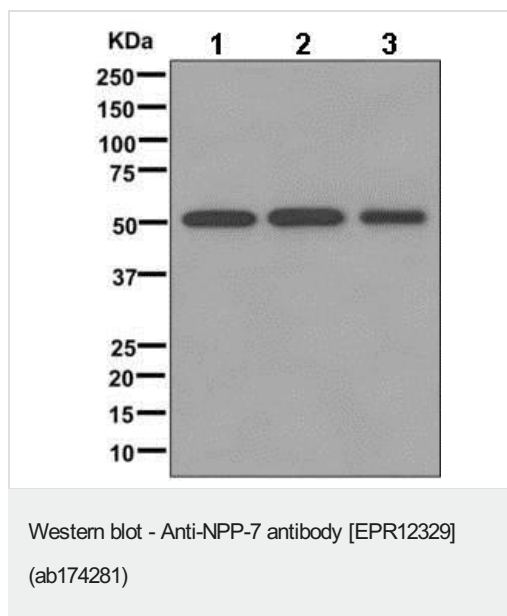
Application	Abreviews	Notes
WB		1/10000 - 1/50000. Predicted molecular weight: 51 kDa.

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

Function	Converts sphingomyelin to ceramide. Also has phospholipase C activity toward palmitoyl lyso-phosphocholine. Does not appear to have nucleotide pyrophosphatase activity.
Tissue specificity	Detected in the colon (at protein level). Expressed in the duodenum, jejunum and liver and at low levels in the ileum. Expression was very low in the esophagus, stomach and colon.
Sequence similarities	Belongs to the nucleotide pyrophosphatase/phosphodiesterase family.
Post-translational modifications	N-glycosylated; required for activity and transport to the plasma membrane.
Cellular localization	Membrane. Localized at the surface of the microvillar membrane in small intestine enterocytes, and in endosome-like structures situated beneath the microvillar membrane, and in Golgi complex.

Images



All lanes : Anti-NPP-7 antibody [EPR12329] (ab174281) at 1/10000 dilution

Lane 1 : Caco 2 lysate

Lane 2 : HT-29 lysate

Lane 3 : Human fetal liver lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 51 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-NPP-7 antibody [EPR12329] (ab174281)

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

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