


Product datasheet

Anti-ENTPD5 antibody [EPR3783] α b92542

Recombinant RabMAb

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

Overview

Product name	Anti-ENTPD5 antibody [EPR3783]
Description	Rabbit monoclonal [EPR3783] to ENTPD5
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, Rat 
Immunogen	Synthetic peptide within Human ENTPD5 aa 100-200. The exact sequence is proprietary.
Positive control	Human fetal liver, Hela and LNCaP 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. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3783

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab92542 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 - 1/5000. Predicted molecular weight: 47 kDa.

Application notes

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

Target

Function

Uridine diphosphatase (UDPase) that promotes protein N-glycosylation and ATP level regulation. UDP hydrolysis promotes protein N-glycosylation and folding in the endoplasmic reticulum, as well as elevated ATP consumption in the cytosol via an ATP hydrolysis cycle. Together with CMPK1 and AK1, constitutes an ATP hydrolysis cycle that converts ATP to AMP and results in a compensatory increase in aerobic glycolysis. Also hydrolyzes GDP and IDP but not any other nucleoside di-, mono- or triphosphates, nor thiamine pyrophosphate. Plays a key role in the AKT1-PTEN signaling pathway by promoting glycolysis in proliferating cells in response to phosphoinositide 3-kinase (PI3K) signaling.

Tissue specificity

Expressed in adult liver, kidney, prostate, testis and colon. Much weaker expression in other tissues.

Pathway

Protein modification; protein glycosylation.

Sequence similarities

Belongs to the GDA1/CD39 NTPase family.

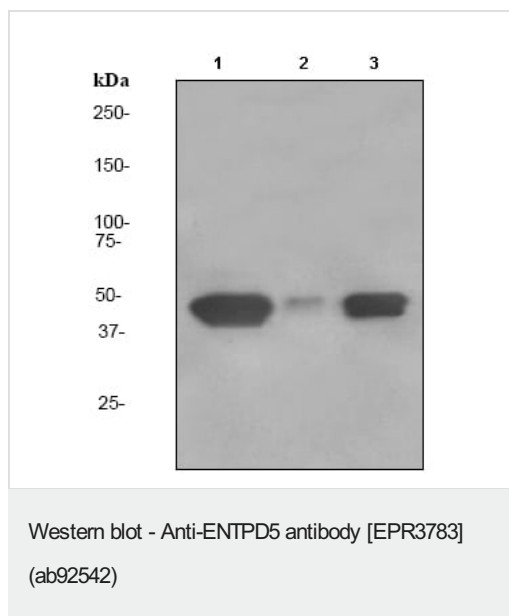
Post-translational modifications

N-glycosylated; high-mannose type.

Cellular localization

Endoplasmic reticulum lumen.

Images



All lanes : Anti-ENTPD5 antibody [EPR3783] (ab92542) at 1/1000 dilution

Lane 1 : Human fetal liver lysate

Lane 2 : Hela cell lysate

Lane 3 : LNCaP cell lysate





Lysates/proteins at 10 µg per lane.

Secondary

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

Predicted band size: 47 kDa

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-ENTPD5 antibody [EPR3783] (ab92542)

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

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