

ENTPD4 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18180A**Specification**

ENTPD4 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O9Y227
Other Accession	NP_001122402.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	70255
Antigen Region	40-69

ENTPD4 Antibody (N-term) - Additional Information**Gene ID** 9583**Other Names**

Ectonucleoside triphosphate diphosphohydrolase 4, NTPDase 4, Lysosomal apyrase-like protein of 70 kDa, Uridine-diphosphatase, UDPase, ENTPD4, KIAA0392, LALP70, LYSAL1

Target/Specificity

This ENTPD4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 40-69 amino acids from the N-terminal region of human ENTPD4.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

ENTPD4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ENTPD4 Antibody (N-term) - Protein Information**Name** ENTPD4 ([HGNC:14573](#))

Function [Isoform 1]: Catalyzes the hydrolysis of nucleoside triphosphates and diphosphates in a calcium- or magnesium-dependent manner, with a preference for pyrimidines. Preferentially hydrolyzes UTP and TTP. AMP, ADP, ATP and UMP are not substrates (PubMed:[10858452](#), PubMed:[9556635](#)). Preferentially activated by Ca(2+) over Mg(2+) (PubMed:[10858452](#)).

Cellular Location

[Isoform 1]: Cytoplasmic vesicle, autophagosome membrane; Multi-pass membrane protein. Lysosome membrane; Multi-pass membrane protein

Tissue Location

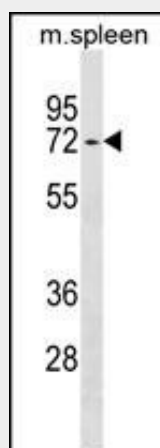
Ubiquitous. Highest expression in testis and lowest in bladder.

ENTPD4 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ENTPD4 Antibody (N-term) - Images



ENTPD4 Antibody (N-term) (Cat. #AP18180a) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the ENTPD4 antibody detected the ENTPD4 protein (arrow).

ENTPD4 Antibody (N-term) - Background

ENTPD4 hydrolyzes preferentially nucleoside 5'-diphosphates, nucleoside 5'-triphosphates are hydrolyzed only to a minor extent. The order of activity with different substrates is UDP >> GDP = CDP = TDP, AMP, ADP, ATP and UMP are not substrates. Preferred substrates for isoform 2 are CTP, UDP, CDP, GTP and GDP, while isoform 1 utilizes UTP and TTP.

ENTPD4 Antibody (N-term) - References

Saito, A., et al. Psychiatry Res (2010) In press :

Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010)

Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005)

Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005)

Biederbick, A., et al. BMC Biochem. 5, 8 (2004) :