

ENTPD4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP18180a**Specification**

ENTPD4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y227](#)**ENTPD4 Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ENTPD4 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ENTPD4 Antibody (N-term) Blocking Peptide - Images

ENTPD4 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - 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) :