

ENTPD1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9233a**Specification**

ENTPD1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P49961](#)**ENTPD1 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 953

Other Names

Ectonucleoside triphosphate diphosphohydrolase 1, NTPDase 1, Ecto-ATP diphosphohydrolase 1, Ecto-ATPDase 1, Ecto-ATPase 1, Ecto-apyrase, Lymphoid cell activation antigen, CD39, ENTPD1, CD39

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9233a](/products/AP9233a) was selected from the N-term region of human ENTPD1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

ENTPD1 Antibody (N-term) Blocking Peptide - Protein InformationName ENTPD1 ([HGNC:3363](#))**Function**

Catalyzes the hydrolysis of both di- and triphosphate nucleotides (NDPs and NTPs) and hydrolyze NTPs to nucleotide monophosphates (NMPs) in two distinct successive phosphate-releasing steps, with NDPs as intermediates and participates in the regulation of extracellular levels of nucleotides (PubMed: [8955160](http://www.uniprot.org/citations/8955160), PubMed: [8529670](http://www.uniprot.org/citations/8529670), PubMed: [8996251](http://www.uniprot.org/citations/8996251), PubMed: [8626624](http://www.uniprot.org/citations/8626624)) (Probable). By hydrolyzing proinflammatory ATP and platelet-activating ADP to AMP, it blocks platelet aggregation and supports blood flow (PubMed: [8955160](http://www.uniprot.org/citations/8955160), PubMed: [8955160](http://www.uniprot.org/citations/8955160)).

href="http://www.uniprot.org/citations/8996251" target="_blank">8996251).

Cellular Location

Membrane; Multi-pass membrane protein. Membrane, caveola

Tissue Location

Expressed primarily on activated lymphoid cells (PubMed:7930580). Also expressed in endothelial tissues (PubMed:8955160). Highly expressed in placenta, lung, skeletal muscle, kidney (PubMed:8955160).

ENTPD1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ENTPD1 Antibody (N-term) Blocking Peptide - Images**ENTPD1 Antibody (N-term) Blocking Peptide - Background**

In the nervous system, ENTPD1 could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. ENTPD1 Could also be implicated in the prevention of platelet aggregation, Hydrolyzes ATP and ADP equally well.

ENTPD1 Antibody (N-term) Blocking Peptide - References

Spanevello,R.M., et.al., Clin. Chim. Acta 411 (3-4), 210-214 (2010)Ndhlovu,L.C., et.al, Eur. J. Immunol. 40 (1), 134-141 (2010)