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ENTPD7 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP5537c

Specification

ENTPD7 Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q9NQZ7
Other Accession	NP_065087.1

ENTPD7 Antibody (Center) Blocking peptide - Additional Information

Gene ID 57089

Other Names
Ectonucleoside triphosphate diphosphohydrolase 7, NTPDase 7, 361-, Lysosomal apyrase-like protein 1, ENTPD7, LALP1

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.

ENTPD7 Antibody (Center) Blocking peptide - Protein Information

Name ENTPD7

Synonyms LALP1 {ECO:0000303|PubMed:11278936}

Function
Catalyzes the hydrolysis of nucleoside triphosphates and diphosphates in a calcium- or magnesium-dependent manner. Preferentially hydrolyzes nucleoside 5'-triphosphates, with substrate preference for UTP > GTP > CTP. Hydrolyzes ATP and nucleoside diphosphates only to a minor extent.

Cellular Location
Cytoplasmic vesicle membrane; Multi-pass membrane protein

ENTPD7 Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides

ENTPD7 Antibody (Center) Blocking peptide - Images

ENTPD7 Antibody (Center) Blocking peptide - Background

The ENTPD7 belongs to the GDA1/CD39 NTPase family and the gene resides on chromosome 10q23-q24 and contains 12 exons and 11 introns covering a genomic region of approximately 46 kilobase pairs. The subcellular localization and enzymatic activity of ENTPD7 indicated that ENTPD7 is indeed an endo-apyrase with substrate preference for nucleoside triphosphates UTP, GTP, and CTP.

ENTPD7 Antibody (Center) Blocking peptide - References

Deloukas, P., et al. Nature 429(6990):375-381(2004)Shi, J.D., et al. J. Biol. Chem. 276(20):17474-17478(2001)