

ENTPD5 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP19295b**Specification**

ENTPD5 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [075356](#)**ENTPD5 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 957

Other Names

Ectonucleoside triphosphate diphosphohydrolase 5, NTPDase 5, CD39 antigen-like 4, ER-UDPase, Guanosine-diphosphatase ENTPD5, GDPase ENTPD5, Nucleoside diphosphatase, Uridine-diphosphatase ENTPD5, UDPase ENTPD5, ENTPD5, CD39L4, PCPH

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.

ENTPD5 Antibody (C-term) Blocking Peptide - Protein InformationName ENTPD5 ([HGNC:3367](#))**Function**

Hydrolyzes nucleoside diphosphates with a preference for GDP, IDP and UDP compared to ADP and CDP (PubMed:15698960, PubMed:10400613). In the lumen of the endoplasmic reticulum, hydrolyzes UDP that acts as an end-product feedback inhibitor of the UDP-Glc:glycoprotein glucosyltransferases. UMP can be transported back by an UDP-sugar antiporter to the cytosol where it is consumed to regenerate UDP- glucose. Therefore, it positively regulates protein reglucosylation by clearing UDP from the ER lumen and by promoting the regeneration of UDP-glucose. Protein reglucosylation is essential to proper glycoprotein folding and quality control in the ER (By similarity).

Cellular Location

Endoplasmic reticulum {ECO:0000250|UniProtKB:Q9WUZ9}. Secreted

Tissue Location

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

ENTPD5 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ENTPD5 Antibody (C-term) Blocking Peptide - Images

ENTPD5 Antibody (C-term) Blocking Peptide - Background

The protein encoded by this gene is similar to E-type nucleotidases (NTPases)/ecto-ATPase/apyrases. NTPases, such as CD39, mediate catabolism of extracellular nucleotides. ENTPD5 contains 4 apyrase-conserved regions which is characteristic of NTPases.

ENTPD5 Antibody (C-term) Blocking Peptide - References

Fransen, K., et al. Hum. Mol. Genet. 19(17):3482-3488(2010) Villar, J., et al. Cancer Res. 69(1):102-110(2009) Villar, J., et al. Cancer Res. 67(22):10859-10868(2007) Regadera, J., et al. Int. J. Oncol. 28(3):595-604(2006) Liu, T., et al. J. Proteome Res. 4(6):2070-2080(2005)