

Anti-ENTPD5 Rabbit Monoclonal Antibody

Catalog # ABO15615

Product Information

Application	WB, IHC, IP
Primary Accession	O75356
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-ENTPD5 Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

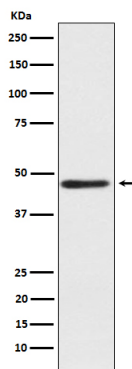
Gene ID	957
Other Names	Nucleoside diphosphate phosphatase ENTPD5, 3.6.1.6, CD39 antigen-like 4, ER-UDPase, Ectonucleoside triphosphate diphosphohydrolase 5 {ECO:0000312 HGNC:HGNC:3367}, NTPDase 5, Guanosine-diphosphatase ENTPD5, GDPase ENTPD5, Inosine diphosphate phosphatase ENTPD5, Nucleoside diphosphatase, Uridine-diphosphatase ENTPD5, UDPase ENTPD5, ENTPD5 (HGNC:3367)
Calculated MW	47517
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 IP 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 21E91
Immunogen	A synthesized peptide derived from human ENTPD5
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

Name	ENTPD5 (HGNC:3367)
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Function	Hydrolyzes nucleoside diphosphates with a preference for GDP, IDP and UDP compared to ADP and CDP (PubMed: 10400613 , PubMed: 15698960). 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

Images



Western blot analysis of ENTPD5 expression in fetal liver lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.