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ENTPD5 Rabbit mAb

Catalog # AP78164

Product Information

Application	WB, IHC-P, IP
Primary Accession	O75356
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human ENTPD5
Purification	Affinity Chromatography
Calculated MW	47517

Additional Information

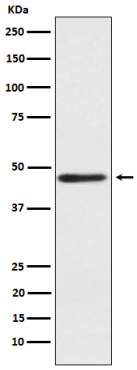
Gene ID	957
Other Names	ENTPD5
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IP~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	ENTPD5 (HGNC:3367)
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



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