

CD39L4 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58461

Specification

CD39L4 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession
Reactivity
Rat, Bovine
Host
Clonality
Calculated MW

O75356
Rat, Bovine
Rabbit
Polyclonal
47 KDa

Immunogen KLH conjugated synthetic peptide derived

Liquid

from human ENTPD5/CD39L4

331-380/428

Epitope Specificity

Physical State

Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Endoplasmic reticulum membrane,
Single-pass type II membrane protein

SIMILARITY Belongs to the GDA1/CD39 NTPase family.

Post-translational modifications
Important Note

N-glycosylated; high-mannose type
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

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.

CD39L4 Polyclonal Antibody - Additional Information

Gene ID 957

Other Names

Ectonucleoside triphosphate diphosphohydrolase 5, NTPDase 5, 3.6.1.6, CD39 antigen-like 4, ER-UDPase, Guanosine-diphosphatase ENTPD5, GDPase ENTPD5, 3.6.1.42, Nucleoside diphosphatase, Uridine-diphosphatase ENTPD5, UDPase ENTPD5, ENTPD5, CD39L4, PCPH

Target/Specificity

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

Dilution

WB~~1:1000<br \> IHC-P~~N/A<br \> <span class</pre>



="dilution_IHC-F">IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Storage

Store at -20 $^{\circ}$ C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 $^{\circ}$ C.

CD39L4 Polyclonal Antibody - Protein Information

Name ENTPD5 (HGNC:3367)

Function

Hydrolyzes nucleoside diphosphates with a preference for GDP, IDP and UDP compared to ADP and CDP (PubMed:<a href="http://www.uniprot.org/citations/10400613"

target="_blank">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

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CD39L4 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD39L4 Polyclonal Antibody - Images