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NAALADL1 Rabbit pAb

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Catalog # AP57338

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UQQ1
Predicted	Rat, Pig, Dog, Human, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80558
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NAALADL1
Epitope Specificity	501-600/740
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Apical cell membrane; Single-pass type II membrane protein. Note: Ileal brush border membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	NAALADL1 is a 740 amino acid single-pass type II membrane protein that localizes to the apical cell membrane. Belonging to the peptidase M28 family and the M28B subfamily, NAALADL1 is mainly expressed in the distal small intestine but is also expressed in spleen and tesits. NAALADL1 is considered a novel ileal brush border membrane protein,NAALADL1 is thought to have dipeptidyl-peptidase IV type activity. NAALADL1 exists as eight alternatively spliced isoforms and is encoded by a gene located on human chromosome 11q13.1.

Additional Information

Gene ID	10004
Other Names	Aminopeptidase NAALADL1, 3.4.11.-, 100 kDa ileum brush border membrane protein, I100, Ileal dipeptidylpeptidase, N-acetylated-alpha-linked acidic dipeptidase-like protein, NAALADase L, NAALADL1, NAALADASEL, NAALADL {ECO:0000303|PubMed:10085079}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °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 °C.

Protein Information

Name	NAALADL1
Synonyms	NAALADASEL, NAALADL {ECO:0000303|PubMed:
Function	Aminopeptidase with broad substrate specificity. Has lower activity with substrates that have Asp or Glu in the P2' position, or Pro in the P3' position. Lacks activity with substrates that have both Pro in the P3' position and Asp or Glu in the P2' position (PubMed:25752612). Lacks carboxypeptidase activity. Lacks dipeptidyl- peptidase IV type activity (PubMed:25752612).
Cellular Location	Apical cell membrane {ECO:0000250|UniProtKB:O54697}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:O54697}. Note=Ileal brush border membrane {ECO:0000250|UniProtKB:O54697}
Tissue Location	Detected in small intestine (at protein level) (PubMed:25752612). Detected in ileum (PubMed:9388249). Detected in small intestine, spleen and testis. Isoform 2 and isoform 3 are found in the small intestine and colon (PubMed:10085079)

Background

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