

NAALADL1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57338**Specification**

NAALADL1 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9UQQ1
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	81 KDa
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.
SIMILARITY	Belongs to the peptidase M28 family. M28B subfamily.
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 testis. 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.

NAALADL1 Polyclonal Antibody - 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}

Target/Specificity

Mainly expressed in the distal small intestine. Also expressed in the spleen and testis. Weak

expression in the brain, locating mainly to the brain stem, amygdala, thalamus and ventral striatum. Isoform 2 and 3 isoform 3 are found in the small intestine and colon.

Dilution

IHC-P~N/A
IHC-F~N/A
IF~1:50~200
ICC~N/A
E~N/A

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.

NAALADL1 Polyclonal Antibody - 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)

NAALADL1 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 Cytometry](#)
- [Cell Culture](#)

NAALADL1 Polyclonal Antibody - Images