

Rabbit Anti-NAALADL1/AP Conjugated antibody

SL18992R-AP

Product Name	Anti-NAALADL1/AP
Chinese Name	碱性磷酸酶（AP）标记的回肠绒毛刷状缘膜蛋白抗体
Alias	100 kDa ileum brush border membrane protein; I100; Ileal dipeptidylpeptidase; Ileal peptidase I100; N acetylated alpha linked acidic dipeptidase like 1; N-acetylated-alpha-linked acidic dipeptidase-like protein; NAALADase L; NAALADASEL; NAALADL.
Research Area	Cell biology Signal transduction Ubiquitin
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep) IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	81kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human NAALADL1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	background: 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.

Function:

NAALADase-like activity unknown. Has no NAAG hydrolyzing activity. Exhibits a dipeptidyl-peptidase IV type activity. In vitro, cleaves Gly-Pro-AMC.

Subcellular Location:

Apical cell membrane; Single-pass type II membrane protein. Note: Ileal brush border membrane.

Tissue 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.

Similarity:

Belongs to the peptidase M28 family. M28B subfamily.

Database links:

[Entrez Gene: 10004](#) Human

[Omim: 602640](#) Human

[SwissProt: Q9UQQ1](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.