

NAALAD2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57337

Specification

NAALAD2 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O9Y3Q0
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NAALAD2
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	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.

NAALAD2 Polyclonal Antibody - Additional Information

Gene ID 10003

Other Names

N-acetylated-alpha-linked acidic dipeptidase 2, 3.4.17.21, Glutamate carboxypeptidase III, GCP III, N-acetylated-alpha-linked acidic dipeptidase II, NAALADase II, NAALAD2

Target/Specificity

Highest expression in the testis. Also found in ovary and spleen. Weak expression in prostate, heart and placenta. In brain, expressed in striatum, parietal cortex and ventral striatum with lower levels in hippocampus, brain stem, putamen and superior colliculus.

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.

NAALAD2 Polyclonal Antibody - Protein Information

Name NAALAD2

Function

Has N-acetylated-alpha-linked-acidic dipeptidase (NAALADase) activity. Also exhibits a dipeptidyl-peptidase IV type activity. Inactivates the peptide neurotransmitter N-acetylaspartylglutamate.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q04609}; Single-pass type II membrane protein {ECO:0000250|UniProtKB:Q04609}

Tissue Location

Highest expression in the testis. Also found in ovary and spleen. Weak expression in prostate, heart and placenta. In brain, expressed in striatum, parietal cortex and ventral striatum with lower levels in hippocampus, brain stem, putamen and superior colliculus

NAALAD2 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](#)

NAALAD2 Polyclonal Antibody - Images