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NAALAD2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57337

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9Y3Q0
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83592
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.

Additional Information

Gene ID	10003
Other Names	N-acetylated-alpha-linked acidic dipeptidase 2, 3.4.17.21, Glutamate carboxypeptidase III, GCPIII, 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=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
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	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