

Rabbit anti-Mouse NAALADL1 Monoclonal Antibody | anti-NAALADL1 antibody

Recombinant Anti-NAALADL1 Antibody, Rabbit Monoclonal

CATALOG # AAA257245	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry
-------------------------------	-----------------------	----------------------------	---

PRODUCT SYNONYMS

NAALADL1; Monoclonal Antibody; Recombinant Anti-NAALADL1 Antibody; Rabbit Monoclonal; NAALADL1 Antibody; Rabbit MAb; N-acetylated alpha-linked acidic dipeptidase-like 1; Anti-Gm964 Antibody; Anti-Naaladasel Antibody; anti-NAALADL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	022
Specificity	Mouse NAALADL1. Has cross-reactivity in ELISA with Human NAALADL1 Has cross-reactivity in ELISA with Human NAALADL1
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-NAALADL1 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Mouse NAALADL1 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse NAALADL1 (rM NAALADL1).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse NAALADL1 in mouse small intestine with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of mouse NAALADL1 in mouse spleen with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-NAALADL1 antibody	N-acetylated-alpha-linked acidic dipeptidase-like protein, also known as NAALADL1, NAALADase L, and Ileal dipeptidyl-peptidase, is a Single-pass type II membrane protein and a member of the peptidase M28 family and M28B subfamily. NAALADase L is mainly expressed in the distal small intestine. It is also expressed in the spleen and testis and Weakly expressed in the brain, locating mainly to the brain stem, amygdala, thalamus, and ventral striatum. NAALADase L is a chloride-activated, membrane-bound, metallopeptidase that cleaves the endogenous neuropeptide N-acetyl-aspartyl-glutamate (NAAG). NAAG acts as a partial NMDA agonist as well as a full agonist at the presynaptic metabotropic glutamate receptor 3 (mGluR3), where it acts to reduce glutamate release. NAALADase L also exhibits a dipeptidyl-peptidase IV type activity. NAALADase inhibition may be a novel therapeutic approach to reduce or inhibit heightened aggressiveness, and possibly to treat aggressive behavior associated with psychiatric disorders.
References	Stauch BL. 1989, Neurosci Lett. 100 (1-3): 295-300. Shneider BL. et al., 1997, J. Biol. Chem. 272: 31006-15. Pangalos MN. et al., 1999, J. Biol. Chem. 274: 8470-83. Thomas AG. et al., 1999, Brain Res. 843 (1-2): 48-52.

NCBI AND UNIPROT INFORMATION

NCBI GI #	57222282
NCBI GeneID	381204
NCBI Accession #	NP_001009546.1
NCBI GenBank Nucleotide #	NM_001009546.1
UniProt Accession #	Q7M758
Molecular Weight	80,513 Da
NCBI Official Full Name	N-acetylated-alpha-linked acidic dipeptidase-like protein
NCBI Official Synonym Full Names	N-acetylated alpha-linked acidic dipeptidase-like 1
NCBI Official Symbol	Naaladl1
NCBI Official Synonym Symbols	Gm964; Naaladasel
NCBI Protein Information	N-acetylated-alpha-linked acidic dipeptidase-like protein; NAALADase L; N-acetylated-alpha-linked acidic dipeptidase like protein
UniProt Protein Name	N-acetylated-alpha-linked acidic dipeptidase-like protein
UniProt Gene Name	Naaladl1
UniProt Synonym Gene Names	Gm964; Naaladasel; NAALADase L
UniProt Entry Name	NALDL_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.