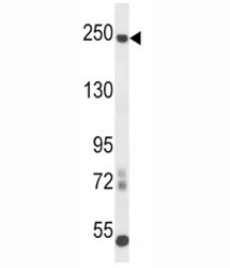
L1CAM Polyclonal Antibody / NCAM-L1 (F44598)

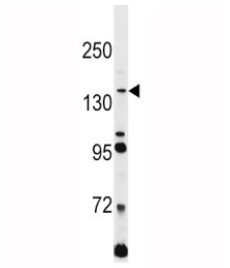
Catalog No.	Formulation	Size
F44598-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44598-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P32004
Applications	Western blot: 1:1000 (1)
Limitations	This L1CAM Polyclonal Antibody is available for research use only.



L1CAM Polyclonal Antibody western blot analysis in mouse cerebellum tissue lysate. Expected molecular weight of glycosylated protein is 200-240 kDa.



L1CAM Polyclonal Antibody western blot analysis in Jurkat lysate. Expected molecular weight of unglycosylated protein is 140-150 kDa.

Description

L1CAM is an axonal glycoprotein belonging to the immunoglobulin supergene family. The ectodomain, consisting of several immunoglobulin-like domains and fibronectin-like repeats (type III), is linked via a single transmembrane sequence to a conserved cytoplasmic domain. This cell adhesion molecule plays an important role in nervous system development, including neuronal migration and differentiation. Mutations in the gene cause three X-linked neurological syndromes known by the acronym CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus). Alternative splicing of a neuron-specific exon is thought to be functionally relevant.

Also known as CD171, NCAM-L1 and Neural Cell Adhesion Molecule L1, L1CAM is a cell adhesion protein involved in neuronal migration, axon development and nervous system function; additional target information is available on our L1CAM Antibody page.

Application Notes

Titration of the L1CAM Polyclonal Antibody may be required due to differences in protocols and secondary/substrate sensitivity.

1. Cleavage by ADAM10 results in 180 and 40 kDa bands while cleavage by Plasmin results in 140 and 80 kDa bands.

Immunogen

A portion of amino acids 1154-1182 from the human protein was used as the immunogen for this L1CAM antibody.

Storage

Aliquot the L1CAM Polyclonal Antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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