

L1CAM monoclonal antibody, clone AAFD-12

Catalog # MAB20432 Size 100 uL

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human L1CAM.
Immunogen	A synthetic peptide corresponding to human L1CAM.
Host	Rabbit
Theoretical MW (kDa)	140.003
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry

Gene Info — L1CAM

Entrez GeneID [3897](#)

Protein Accession# [P32004](#)

Gene Name L1CAM

Gene Alias CAML1, CD171, HSAS, HSAS1, MASA, MIC5, N-CAML1, S10, SPG1

Gene Description L1 cell adhesion molecule

Omim ID [142623](#) [303350](#) [304100](#) [307000](#) [308840](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene 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. [provided by RefSeq]

Other Designations

OTTHUMP00000025992|antigen identified by monoclonal antibody R1|neural cell adhesion molecule L1

Pathway

- [Axon guidance](#)
- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cystadenocarcinoma](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Schizophrenia](#)
- [Spastic Paraplegia](#)