

RecomAb™

L1CAM recombinant monoclonal antibody, clone R01-6D6

Catalog # RAB06540 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human L1CAM.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human L1CAM.
Theoretical MW (kDa)	Calculated MW: 140 k
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end use.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol and 0.02% Sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to 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](#)

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](#)