

L1CAM (phospho S1181) polyclonal antibody

Catalog # PAB31655 Size 100 uL

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human L1CAM (phospho S1181).
Immunogen	A synthetic peptide corresponding to amino acids 1120-1200 of human L1CAM (phospho S1181).
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of L1CAM protein only when phosphorylated at S1181.
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	ELISA (1:20000) Immunohistochemistry (1:100-300) Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 0.5% BSA and 0.02% sodium azide).
Storage Instruction	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

- Enzyme-linked Immunoabsorbent Assay

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](#)