

Product datasheet for **AP52434PU-N**

L1CAM (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	This antibody is suitable for Western blotting . The suggested dilution is: 1/100-1/500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated - corresponding to the C-terminal region (between 1153-1182aa) of human CD171 / L1CAM.
Specificity:	This antibody detects CD171 / L1CAM at C-term.
Formulation:	PBS with 0.09% (W/V) Sodium Azide. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	L1 cell adhesion molecule
Database Link:	Entrez Gene 16728 Mouse Entrez Gene 3897 Human P32004



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Background:

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.

Synonyms:

N-CAM L1, CAML1, MIC5

Note:

Molecular Weight: 140003 Da

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways:

Axon guidance, Cell adhesion molecules (CAMs)

Product images:


Western blot analysis in Jurkat cell line lysates (35ug/lane) using CD171 / L1CAM antibody. This demonstrates the L1CAM antibody detected the L1CAM protein (arrow).

Western blot analysis in mouse cerebellum tissue lysates (35ug/lane) using CD171 / L1CAM antibody. This demonstrates the L1CAM antibody detected the L1CAM protein (arrow).