

# Product datasheet for AP52434PU-N

# L1CAM (C-term) Rabbit Polyclonal Antibody

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	This antibody is suitable for <b>Western blotting</b> . The suggested dilution is: 1/100-1/500.
Reactivity:	Human, Mouse
Host:	Rabbit
lsotype:	lg
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:	<u>Entrez Gene 16728 MouseEntrez Gene 3897 Human</u> <u>P32004</u>



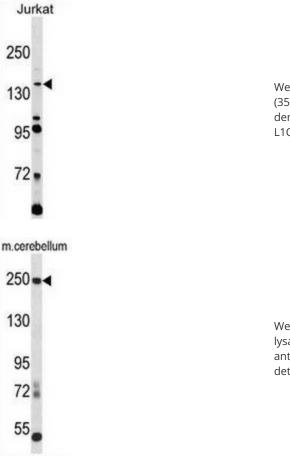
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## Service Servic

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).

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