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# Anti-L1CAM Antibody

Rabbit polyclonal antibody to L1CAM
Catalog # AP60678

## Product Information

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|---|---|
| **Application** | WB, IF/IC |
| **Primary Accession** | P32004 |
| **Other Accession** | P11627 |
| **Reactivity** | Human, Mouse, Rat, Zebrafish |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 140003 |

## Additional Information

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|---|---|
| **Gene ID** | 3897 |
| **Other Names** | CAML1; MIC5; Neural cell adhesion molecule L1; N-CAM-L1; NCAM-L1; CD171 |
| **Target/Specificity** | Recognizes endogenous levels of L1CAM protein. |
| **Dilution** | WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

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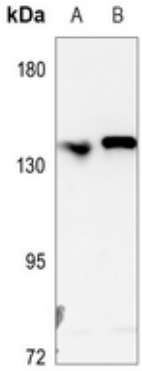
|---|---|
| **Name** | L1CAM |
| **Synonyms** | CAML1, MIC5 |
| **Function** | Neural cell adhesion molecule involved in the dynamics of cell adhesion and in the generation of transmembrane signals at tyrosine kinase receptors. During brain development, critical in multiple processes, including neuronal migration, axonal growth and fasciculation, and synaptogenesis. In the mature brain, plays a role in the dynamics of neuronal structure and function, including synaptic plasticity. |
| **Cellular Location** | Cell membrane; Single-pass type I membrane protein {ECO:0000250\|UniProtKB:Q05695}. Cell projection, growth cone {ECO:0000250\|UniProtKB:Q05695}. Cell projection, axon. Cell projection, dendrite Note=Colocalized with SHTN1 in close apposition with actin filaments in filopodia and lamellipodia of axonalne growth cones of hippocampal neurons (By similarity). In neurons, detected predominantly in |

axons and cell body, weak localization to dendrites (PubMed:20621658) {ECO:0000250|UniProtKB:Q05695, ECO:0000269|PubMed:20621658}

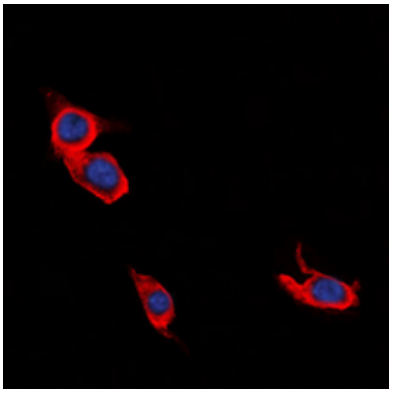
## Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human L1CAM. The exact sequence is proprietary.

## Images




Western blot analysis of L1CAM expression in HEK293T (A), A549 (B) whole cell lysates.



Immunofluorescent analysis of L1CAM staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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