

**Anti-L1CAM (pS1181) Antibody**  
**Rabbit polyclonal antibody to L1CAM (pS1181)**  
**Catalog # AP61156**

**Specification**

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**Anti-L1CAM (pS1181) Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P32004</a>
Other Accession	<a href="#">P11627</a>
Reactivity	Human, Mouse, Rat, Zebrafish
Host	Rabbit
Clonality	Polyclonal
Calculated MW	140003

**Anti-L1CAM (pS1181) Antibody - Additional Information**

**Gene ID** 3897

**Other Names**

CAML1; MIC5; Neural cell adhesion molecule L1; N-CAM-L1; NCAM-L1; CD171

**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human L1CAM (pS1181). The exact sequence is proprietary.

**Dilution**

WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200)

IHC~~1:100~500

**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

**Anti-L1CAM (pS1181) Antibody - Protein Information**

**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.

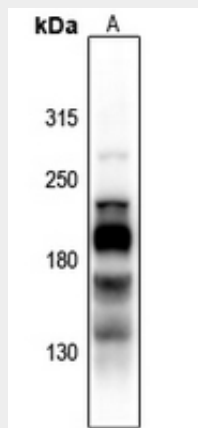
**Cellular Location**

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 axonal 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}

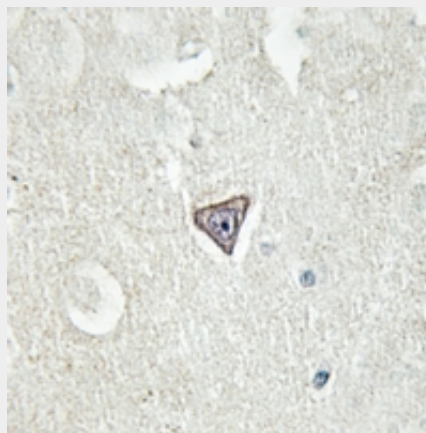
**Anti-L1CAM (pS1181) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-L1CAM (pS1181) Antibody - Images**

Western blot analysis of L1CAM (pS1181) expression in Myla2059 (A) whole cell lysates.



Immunohistochemical analysis of L1CAM (pS1181) staining in human brain formalin fixed paraffin

embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**Anti-L1CAM (pS1181) Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human L1CAM (pS1181). The exact sequence is proprietary.