# Recombinant CD171 / NCAM-L1 (L1 Cell Adhesion Molecule) Antibody

Rabbit Monoclonal Antibody [Clone L1CAM/9267R]

| Catalog No | Format | Size |
|---|---|---|
| 3897-RBM9-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 3897-RBM9-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 3897-RBM9-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

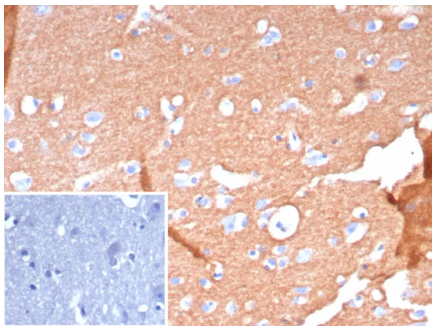
| Applications | Tested Dillution | Note |
|---|---|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |

## Product Details

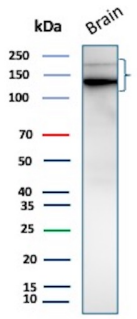
| | |
|---|---|
| **Clone** | L1CAM/9267R |
| **Gene Name** | L1CAM |
| **Immunogen** | Recombinant fragment (around aa600-900) of human L1CAM protein (exact sequence is proprietary) |
| **Host** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG / Kappa |
| **Mol. Weight of Antigen** | full-length isoforms: 140/180/220kDa; proteolytically cleaved form:85 kDa |
| **Cellular Localization** | Cytoplasm. Cell surface. |
| **Species Reactivity** | Human |
| **Positive Control** | Human brain total lysate (WB). PC12 and Neuro-2A (ICC). |

**Optimal dilution for a specific application should be determined.*

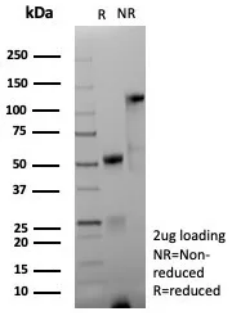
## Product Images for Recombinant CD171 / NCAM-L1 (L1 Cell Adhesion Molecule) Antibody



Formalin-fixed, paraffin-embedded human brain stained with CD171 Recombinant Rabbit Monoclonal Antibody (L1CAM/9267R). Inset: PBS instead of primary antibody; secondary only negative control.




Western Blot Analysis of Human Brain lysate using CD171 Rabbit Recombinant Monoclonal Antibody (L1CAM/9267R)




SDS-PAGE Analysis of Purified CD171 Recombinant Rabbit Monoclonal Antibody (L1CAM/9267R). Confirmation of Integrity and Purity of Antibody.

## Specificity & Comments

L1 (L1 cell adhesion molecule) also known as CAML1, CD171, and HSAS is an adhesion molecule which plays an important role in the 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). This mouse monoclonal antibody recognizes the sequence immediately NH2-terminal to the tyrosine-based motif and binds L1 only when Y1176 is dephosphorylated. Phosphorylation of either T1172 or Y1176 strongly inhibits binding of 74-5H7 to the L1 cytoplasmic domain.

## Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Research Areas

Cardiovascular, Developmental Biology, Neuroscience

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.