

## L1CAM Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50280

Clone# BP6257

**Predicted Molecular Wt:** 140kDa

**Species Cross-reactivity:** Human

**Applications:** IHC-P

**Purity:** ProA affinity purified IgG

**Form:** Liquid

**Swissprot ID:** P32004

### Background:

L1CAM, a neural cell adhesion molecule which is involved in the dynamics of cell adhesion and in the generation of transmembrane signals at tyrosine kinase receptors. During brain development, L1CAM is critical in multiple processes, including neuronal migration, axonal growth and fasciculation, and synaptogenesis. In the mature brain, L1CAM plays a role in the dynamics of neuronal structure and function, including synaptic plasticity.

L1CAM's cytoplasmic expression mainly in CNS, PNS and distal renal tubules.

L1CAM has become a marker for evaluating the malignancy and prognosis of ovarian cancer, endometrial cancer, melanoma and other tumors.

### Subcellular location:

Cytoplasm

### Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

### Immunogen:

Synthetic peptide. This information is proprietary to BioLynx.

### Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

### Storage Conditions:

-25°C to -18°C

### Shipment Instructions:

Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

### Recommended Dilution:

IHC-P: 1:100-1:200

### Background References:

- Schäfer, M. K. E., et al. Neurobiology of Disease, 40(1), 222-237.



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human Kidney labelling L1CAM with BP6257.

Product QC'd by:



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