

For Research Use Only

L1CAM Polyclonal antibody

Catalog Number: 20659-1-AP

5 Publications



Basic Information

Catalog Number:

20659-1-AP

Concentration:

3000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000425

GeneID (NCBI):

3897

UNIPROT ID:

P32004

Full Name:

L1 cell adhesion molecule

Calculated MW:

140 kDa

Observed MW:

200-220 kDa, 80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse brain tissue, rat brain tissue

Background Information

L1CAM, also known as NCAM-L1 or CD171, is a cell adhesion molecule of the immunoglobulin superfamily. It is a 200-220 kDa transmembrane glycoprotein composed of six Ig-like domains and five fibronectin type III repeats followed by a transmembrane region and a highly conserved cytoplasmic tail (PMID: 3412448; 22796939). L1CAM is primarily expressed in the nervous system and is involved in neuron-neuron adhesion, neurite fasciculation, outgrowth of neurites, cerebellar granule cell migration, neurite outgrowth on Schwann cells and interactions among epithelial cells of intestinal crypts (PMID: 3412448; 10767310). L1CAM is overexpressed in many human cancers and is often associated with bad prognosis (PMID: 27267927; 26111503). It has been reported that L1CAM can be proteolytically cleaved into a soluble fragment of 140 kDa and an intracellular fragment of 80-85 kDa (PMID: 30842511; 34380733). This antibody raised against 1206-1221aa of human L1CAM detects 200-220 kDa full-length L1CAM and 80-kDa cleaved fragment of L1CAM.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------|-----------|---------------------|-------------|
| Sunitha Kodidela | 32481515 | Diagnostics (Basel) | WB |
| Kuo Tong | 31997427 | Histopathology | IHC |
| Sandip Godse | 37964023 | Sci Rep | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

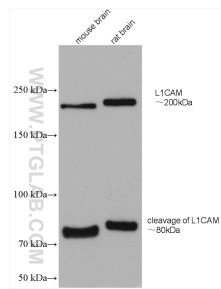
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20659-1-AP (L1CAM antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.