

For Research Use Only

L1CAM/CD171 Recombinant antibody

Catalog Number: 86305-2-RR



Basic Information

| | | | | | |
|---------------------------|---|---------------------------|---------------------------|------------------------|--|
| Catalog Number: | 86305-2-RR | GenBank Accession Number: | N/A | Purification Method: | Protein A purification |
| Size: | 100ul, Concentration: 1000 µg/ml by Nanodrop; | GenelD (NCBI): | 16728 | CloneNo.: | 250101C11 |
| Source: | Rabbit | UNIPROT ID: | P11627 | Recommended Dilutions: | WB: 1:5000-1:50000 IHC: 1:200-1:800 IF/ICC: 1:400-1:1600 |
| Isotype: | IgG | Full Name: | L1 cell adhesion molecule | | |
| Immunogen Catalog Number: | EG3022 | Calculated MW: | 141 kDa | | |
| | | Observed MW: | 210-250 kDa | | |

Applications

| | | | |
|----------------------|--|--------------------|---------------------------------|
| Tested Applications: | WB, IHC, IF/ICC, ELISA | Positive Controls: | |
| Species Specificity: | mouse, rat | WB: | PC-12 cells, mouse brain tissue |
| | Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | IHC: | mouse kidney tissue, |
| | | IF/ICC: | Neuro-2a cells, |

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).

Storage

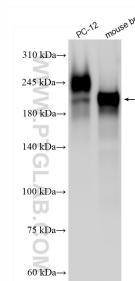
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

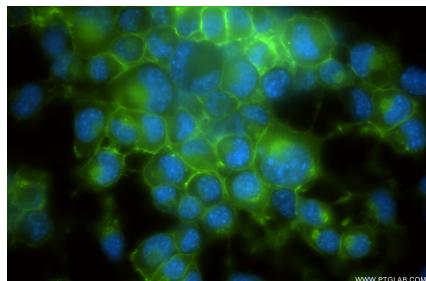
For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
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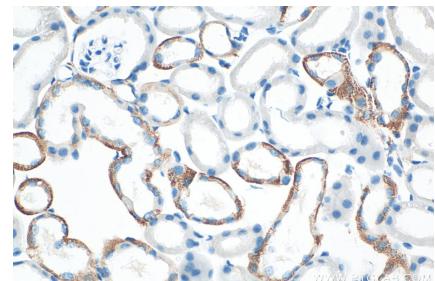
Selected Validation Data



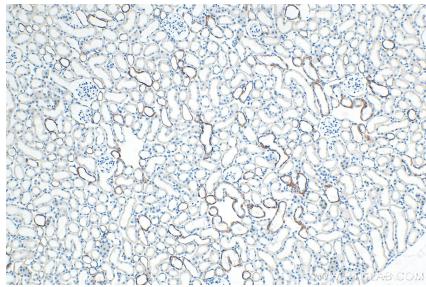
Various lysates were subjected to SDS PAGE followed by western blot with 86305-2-RR (L1CAM/CD171 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Neuro-2a cells using L1CAM/CD171 antibody (86305-2-RR, Clone: 250101C11) at dilution of 1:800 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 86305-2-RR (L1CAM/CD171 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 86305-2-RR (L1CAM/CD171 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).