

For Research Use Only

L1CAM Polyclonal antibody

Catalog Number: 20659-1-AP **5 Publications**



Basic Information

Catalog Number: 20659-1-AP	GenBank Accession Number: NM_000425	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 3000 µg/ml by Nanodrop and 1133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3897	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: L1 cell adhesion molecule	
Isotype: IgG	Calculated MW: 140 kDa	
	Observed MW: 200-220 kDa, 80 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: mouse brain tissue, rat brain tissue
Cited Applications: IHC, WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	

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

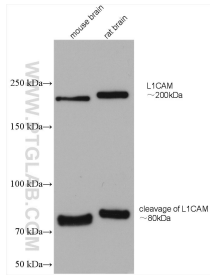
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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 in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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.