

Biotin-conjugated L1CAM

Monoclonal antibody

Catalog Number: Biotin-67115

Basic Information

Catalog Number:

Biotin-67115

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG17706

GenBank Accession Number:

BC126229

GeneID (NCBI):

3897

UNIPROT ID:

P32004

Full Name:

L1 cell adhesion molecule

Calculated MW:

1257 aa, 140 kDa

Observed MW:

220 kDa

Purification Method:

Protein G purification

CloneNo.:

3H7B9

Recommended Dilutions:

IHC 1:50-1:500

Applications

Tested Applications:

IHC

Species Specificity:

Human, Pig, Mouse, Rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IHC : mouse brain tissue, human hypothalamus 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).

Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

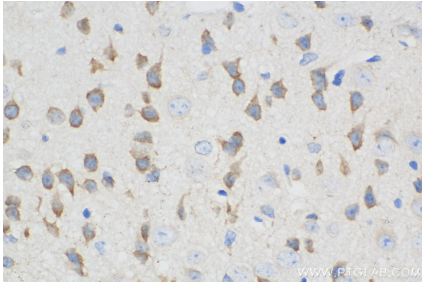
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using Biotin-67115 (L1CAM antibody) at dilution of 1:50 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).