
CD171/L1CAM Recombinant Rabbit mAb

Catalog Number: bsm-52926R

Target Protein: CD171/L1CAM

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 1C3

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:400-800), IF (1:100-500)

Reactivity: Human

Predicted MW: 138 kDa

Entrez Gene: 3897

Swiss Prot: P32004

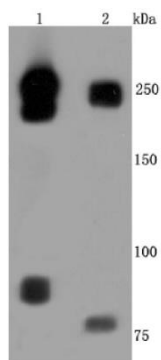
Purification: affinity purified by Protein A

Storage: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.02% Proclin300.

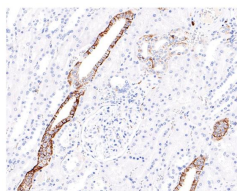
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: L1cam (L1 cell adhesion molecule isoform 1 precursor) is an axonal glycoprotein belonging to the immunoglobulin supergene family. The ectodomain, consisting of several immunoglobulin-like domains and fibronectin-like repeats (type III), is linked via a single transmembrane sequence to a conserved cytoplasmic domain. This cell adhesion molecule plays an important role in nervous system development, including neuronal migration and differentiation. Mutations in the gene cause three X-linked neurological syndromes known by the acronym CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus). Alternative splicing of a neuron-specific exon is thought to be functionally relevant. [provided by RefSeq].

VALIDATION IMAGES



Western blot analysis of L1CAM on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (ET1703-51, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:50,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: Hela cell lysate Lane 2: Human brain tissue lysate



Immunohistochemical analysis of paraffin-embedded human kidney tissue with Rabbit anti-L1CAM antibody at 1/200 dilution. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody at 1/200 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.