

CD171/L1CAM polyclonal antibody

Catalog: BS79118

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The protein encoded by this gene 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 X-linked neurological syndromes known as CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus). Alternative splicing of this gene results in multiple transcript variants, some of which include an alternate exon that is considered to be specific to neurons.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

85KDa/200-250KDa

Swiss-Prot:

P32004

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

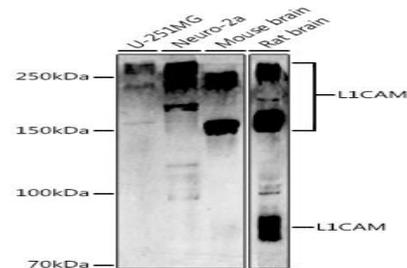
WB, 1:500 - 1:2000 | IF/ICC, 1:50 - 1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

Unmodification

DATA:

Western blot analysis of extracts of various cell lines, using CD171/L1CAM antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

Immunofluorescence analysis of HeLa cells using [KO Validated] CD171/L1CAM Rabbit pAb at dilution of 1:150. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of Neuro-2a cells using [KO Validated] CD171/L1CAM Rabbit pAb at dilution of 1:150. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of SH-SY5Y cells using [KO Validated] CD171/L1CAM Rabbit pAb at dilution of 1:150. Blue: DAPI for nuclear staining.

Note:

For research use only, not for use in diagnostic procedure.

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