

CD171/L1CAM Rabbit pAb

Catalog No.: A8555 **2 Publications**

Basic Information

Observed MW
85kDa/200-250kDa

Calculated MW
140kDa

Category
Primary antibody

Applications
ELISA,WB,IF/ICC

Cross-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.

Recommended Dilutions

WB	1:500 - 1:1000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID	Swiss Prot
3897	P32004

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1143-1257 of human CD171/L1CAM (NP_000416.1).

Synonyms

S10; HSAS; HYCX; MASA; MIC5; SPG1; CAML1; CD171; HSAS1; N-CAML1; NCAM-L1; N-CAM-L1; CD171/L1CAM

Contact

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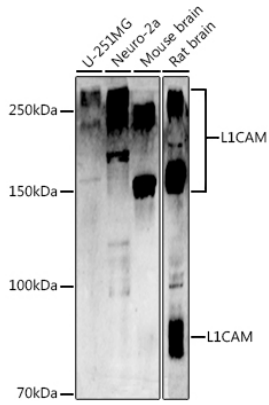
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using CD171/L1CAM antibody (A8555) at 1:1000 dilution.

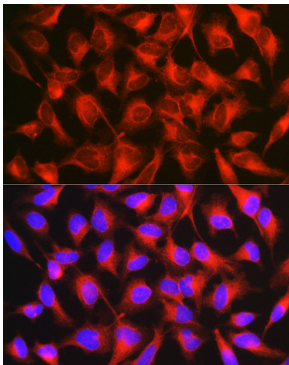
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

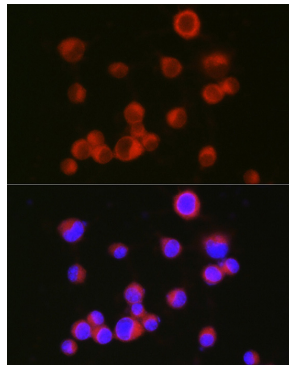
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

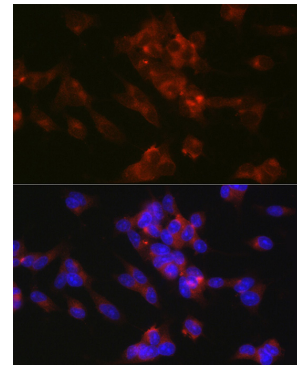
Exposure time: 30s.



Immunofluorescence analysis of HeLa cells using CD171/L1CAM Rabbit pAb (A8555) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Neuro-2a cells using CD171/L1CAM Rabbit pAb (A8555) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of SH-SY5Y cells using CD171/L1CAM Rabbit pAb (A8555) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.