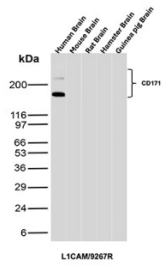
Recombinant CD171 Antibody L1CAM/9267R / NCAM-L1 Recombinant Rabbit Antibody [clone L1CAM/9267R] (V5535)

Catalog No.	Formulation	Size
V5535-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5535-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5535SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

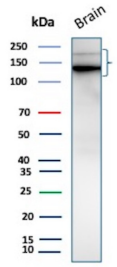
Recombinant RABBIT MONOCLONAL

Bulk quote request

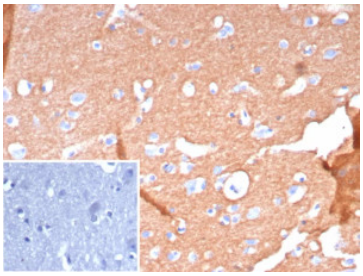
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	L1CAM/9267R
Purity	Protein A/G affinity
UniProt	P32004
Localization	Cytoplasm, Cell membrane
Applications	Immunohistochemistry (FFPE): 1-2ug/ml Western blot: 2-4ug/ml
Limitations	This Recombinant CD171 Antibody L1CAM/9267R is available for research use only.



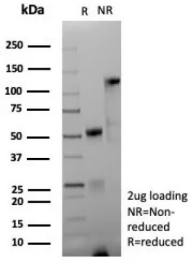
Recombinant CD171 Antibody L1CAM/9267R in Multi-Species Brain Tissue WB. Western blot analysis of Human Brain, Mouse Brain, Rat Brain, Hamster Brain and Guinea pig Brain tissue lysates using NCAM-L1 Recombinant Rabbit Antibody (clone L1CAM/9267R).



Recombinant CD171 Antibody L1CAM/9267R in WB. Western blot analysis of Human Brain tissue lysates using NCAM-L1 Recombinant Rabbit Antibody (clone L1CAM/9267R).



IHC staining of FFPE human brain tissue with recombinant CD171 antibody (clone L1CAM/9267R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant CD171 antibody (clone L1CAM/9267R) as confirmation of integrity and purity.

Description

L1 (L1 cell adhesion molecule) also known as CAML1, CD171, and HSAS is an adhesion molecule which plays an important role in the 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). This mouse monoclonal antibody recognizes the sequence immediately NH2-terminal to the tyrosine-based motif and binds L1 only when Y1176 is dephosphorylated. Phosphorylation of either T1172 or Y1176 strongly inhibits binding of 74-5H7 to the L1 cytoplasmic domain.

Also known as CD171, NCAM-L1 and Neural Cell Adhesion Molecule L1, L1CAM is a cell adhesion protein involved in neuronal migration, axon development and nervous system function; additional target information is available on our L1CAM Antibody page.

Application Notes

Optimal dilution of the Recombinant CD171 Antibody L1CAM/9267R / NCAM-L1 Recombinant Rabbit Antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 600-900) of human L1CAM protein was used as the immunogen for the recombinant CD171 antibody.

Storage

Aliquot the recombinant CD171 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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