Recombinant CD171 / NCAM-L1 (Axonal Marker) Antibody

Rabbit Monoclonal Antibody [Clone L1CAM/9146R]

Catalog No	Format	Size
3897-RBM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3897-RBM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3897-RBM7-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

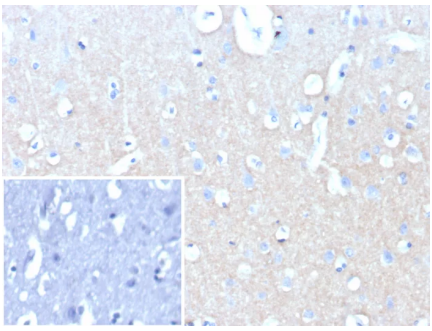
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

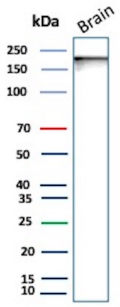
Clone	L1CAM/9146R
Immunogen	Recombinant fragment (around aa1-1257) of the human CD171 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	140.0kDa
Cellular Localization	Axon, Cell membrane, Cell projection, Dendrite, Growth cone
Species Reactivity	Human
Positive Control	Human brain total lysate (WB). PC12 and Neuro-2A (ICC).

**Optimal dilution for a specific application should be determined.*

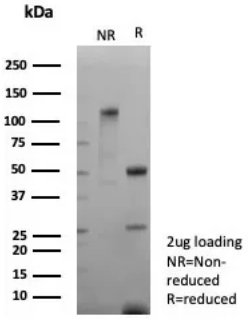
Product Images for Recombinant CD171 / NCAM-L1 (Axonal Marker) Antibody



Formalin-fixed, paraffin-embedded human brain stained with CD171 Recombinant Rabbit Monoclonal Antibody (L1CAM/9146R). Inset: PBS instead of primary antibody; secondary only negative control.



Western Blot Analysis of Human Brain lysate using CD171 Rabbit Recombinant Monoclonal Antibody (L1CAM/9146R)



SDS-PAGE Analysis of Purified CD171 Recombinant Rabbit Monoclonal Antibody (L1CAM/9146R). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.