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KD Validated Anti-L1 cell adhesion molecule Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1120

Product Information

Application	WB, FC
Primary Accession	P32004
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB560
Calculated MW	140003
Gene Name	L1CAM
Aliases	L1CAM; L1 Cell Adhesion Molecule; NCAM-L1; CAML1; Neural Cell Adhesion Molecule L1; CD171; MIC5; Antigen Identified By Monoclonal Antibody R1; N-CAM-L1; HSAS1; HSAS; MASA; SPG1; S10; CD171 Antigen; N-CAML1; HYCX
Immunogen	A synthesized peptide derived from human L1CAM

Additional Information

Gene ID	3897
Other Names	Neural cell adhesion molecule L1, N-CAM-L1, NCAM-L1, CD171, L1CAM, CAML1, MIC5

Protein Information

Name	L1CAM
Synonyms	CAML1, MIC5
Function	Neural cell adhesion molecule involved in the dynamics of cell adhesion and in the generation of transmembrane signals at tyrosine kinase receptors. During brain development, critical in multiple processes, including neuronal migration, axonal growth and fasciculation, and synaptogenesis. In the mature brain, plays a role in the dynamics of neuronal structure and function, including synaptic plasticity.
Cellular Location	Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q05695}. Cell projection, growth cone {ECO:0000250|UniProtKB:Q05695}. Cell projection, axon. Cell projection, dendrite Note=Colocalized with SHTN1 in close apposition with actin filaments in filopodia and lamellipodia of axonalne growth cones of hippocampal neurons (By similarity). In neurons, detected predominantly in axons and cell body, weak localization to dendrites (PubMed:20621658)

{ECO:0000250|UniProtKB:Q05695, ECO:0000269|PubMed:20621658}

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