Anti-CHL1 antibody

Description	Unconjugated Rabbit polyclonal to CHL1

Model	STJ191053
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human CHL1 protein.
Immunogen Region	140-220aa
Gene ID	10752
Gene Symbol	CHL1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	CHL1 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed in the fetal and adult brain as well as in Schwann cell culture. Also detected in adult peripheral tissues.
Purification	CHL1 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Neural cell adhesion molecule L1-like protein Close homolog of L1 Processed neural cell adhesion molecule L1-like protein
Molecular Weight	132 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1939OMIM:607416
Alternative Names	Neural cell adhesion molecule L1-like protein Close homolog of L1 Processed neural cell adhesion molecule L1-like protein
Function	Extracellular matrix and cell adhesion protein that plays a role in nervous system development and in synaptic plasticity. Both soluble and membranous forms promote neurite outgrowth of cerebellar and hippocampal neurons and suppress neuronal cell death. Plays a role in neuronal positioning of pyramidal neurons and in regulation of both the number of interneurons and the efficacy of GABAergic synapses. May play a role in regulating cell migration in nerve regeneration and cortical development. Potentiates integrin-dependent cell migration towards extracellular matrix proteins. Recruits ANK3 to the plasma membrane .
Sequence and Domain Family	The FIG[AQ]Y motif seems to be an ankyrin recruitment region.; The DGEA motif seems to be a recognition site for integrin.
Cellular Localization	Cell membrane. Soluble forms produced by cleavage/shedding also exist. Processed neural cell adhesion molecule L1-like protein: Secreted, extracellular space, extracellular matrix
Post-translational Modifications	Cleavage by metalloprotease ADAM8 in the extracellular part generates 2 soluble forms (125 kDa and 165 kDa) in vitro and is inhibited by metalloprotease inhibitors.; N-glycosylated. Contains N-linked oligosaccharides with a sulfated carbohydrate structure type HNK-1 (SO4-3-GlcUABeta1,3GalBeta1,4GlcNAc) . O-glycosylated.