

Reelin Rabbit mAb

Catalog # AP77710

Product Information

Application	WB
Primary Accession	P78509
Reactivity	Rat, Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Reelin
Purification	Affinity Chromatography
Calculated MW	388388

Additional Information

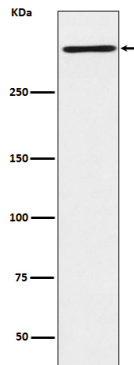
Gene ID	5649
Other Names	RELN
Dilution	WB~~1/500-1/1000
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	RELN
Function	Extracellular matrix serine protease secreted by pioneer neurons that plays a role in layering of neurons in the cerebral cortex and cerebellum by coordinating cell positioning during neurodevelopment. Regulates microtubule function in neurons and neuronal migration. Binding to the extracellular domains of lipoprotein receptors VLDLR and LRP8/APOER2 induces tyrosine phosphorylation of DAB1 and modulation of TAU phosphorylation. Affects migration of sympathetic preganglionic neurons in the spinal cord, where it seems to act as a barrier to neuronal migration. Enzymatic activity is important for the modulation of cell adhesion.
Cellular Location	Secreted, extracellular space, extracellular matrix {ECO:0000250 UniProtKB:Q60841}
Tissue Location	Abundantly produced during brain ontogenesis by the Cajal-Retzius cells and

other pioneer neurons located in the telencephalic marginal zone and by granule cells of the external granular layer of the cerebellum. In adult brain, preferentially expressed in GABAergic interneurons of prefrontal cortices, temporal cortex, hippocampus and glutamatergic granule cells of cerebellum. Expression is reduced to about 50% in patients with schizophrenia. Also expressed in fetal and adult liver.

Images



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