

Reelin Antibody

Rabbit mAb

Catalog # AP91444

Product Information

Application	WB
Primary Accession	P78509
Reactivity	Rat, Human
Clonality	Monoclonal
Other Names	LIS2; PRO1598; Reeler; Reelin; RELN; RL;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	388388

Additional Information

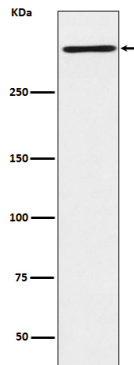
Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Reelin
Description	Extracellular matrix serine protease that plays a role in layering of neurons in the cerebral cortex and cerebellum. Regulates microtubule function in neurons and neuronal migration. Affects migration of sympathetic preganglionic neurons in the spinal cord, where it seems to act as a barrier to neuronal migration.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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



Western blot analysis of Reelin expression in HepG2 cell lysate.

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