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[Primary Antibody]

Rabbit Anti-Reelin antibody

Catalog Number: SL1560R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Reelin
Immunogen:	KLH conjugated synthetic peptide derived from human RELN: 3345-3458/3458
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Chicken,Dog,Pig,Horse,GuineaPig)
Predicted MW.:	400-450;300;180-kDa
Subcellular Location:	Secretory protein
Background:	Reelin (or Reln) is a large glycoprotein that is secreted by Cajal-Retzius cells in the forebrain and by granule neurons in the cerebellum. Reelin was shown to be mutated in “reeler” mice, a mutation that is associated with widespread disruption of laminated regions of the brain, leading to impaired motor coordination, tremors and ataxia. Reelin protein expression is complex and changes throughout development. Reelin appears to function upstream of Dab1 in a signaling pathway that controls cell positioning in the developing brain and is also thought to be a direct effector of the neurotrophin BDNF. **Function:** This gene encodes a large secreted extracellular matrix protein thought to control cell-cell interactions critical for cell positioning and neuronal migration during brain development. This protein may be involved in schizophrenia, autism, bipolar disorder, major depression and in migration

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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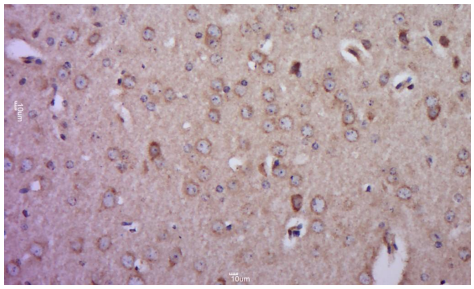
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	defects associated with temporal lobe epilepsy. Mutations of this gene are associated with autosomal recessive lissencephaly with cerebellar hypoplasia. Two transcript variants encoding distinct isoforms have been identified for this gene. Other transcript variants have been described but their full length nature has not been determined. **Subcellular Location:** Secreted **Tissue Specificity:** High level detected in plasma but also in extravascular fluids such as follicular and cerebrospinal fluids (at protein level). **Post-translational modifications:** N-glycosylated; more than 90% of the glycans are sialylated. **Similarity:** Belongs to the ALB/AFP/VDB family. Contains 3 albumin domains. **Database links:** **Entrez Gene:** 5649 Human **Entrez Gene:** 19699 Mouse **Entrez Gene:** 24718 Rat Omim: 600514 Human **SwissProt:** P78509 Human **SwissProt:** Q60841 Mouse **SwissProt:** P58751 Rat **Unigene:** 655654 Human **Unigene:** 425236 Mouse **Unigene:** 98353 Rat ReelinThe protein's role is currently still under further investigation，but some scholars believe it is associated withβ-Amyloid has a corresponding effect on neurofibrillary tangles。

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Reelin) Polyclonal Antibody, Unconjugated (SL1560R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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