



RELN Polyclonal Antibody

Catalog No	BYab-06071
Isotype	IgG
Reactivity	Human;Rat
Applications	IHC;IF
Gene Name	RELN
Protein Name	Reelin (EC 3.4.21.-)
Immunogen	Synthesized peptide derived from human protein . at AA range: 270-350
Specificity	RELN Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p 1:50-300. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	380kD
Cell Pathway	Secreted, extracellular space, extracellular matrix .
Tissue Specificity	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.
Function	developmental stage:Expressed in fetal and postnatal brain and liver. Expression in postnatal human brain is high in the cerebellum.,disease:Defects in RELN are the cause of lissencephaly type 2 (LIS2) [MIM:257320]; also known as lissencephaly with cerebellar hypoplasia or Norman-Roberts syndrome. LIS2 is a classic type lissencephaly associated with abnormalities of the cerebellum, hippocampus and brainstem. Individuals with LIS2 are severely ataxic, mentally retarded and suffer from epilepsy.,disease:Defects in RELN may contribute to

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susceptibility to schizophrenia. Expression of the protein is reduced to about 50% in patients with schizophrenia.,disease:Defects in RELN may predispose to autistic disorder. A polymorphic GGC triplet repeat located in the 5'-UTR region of RELN gene, which harbors in the normal population 8 to 10 repeats, is significantly increased in autistic patients to

Background

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 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. [provided by RefSeq, Jul 2008],

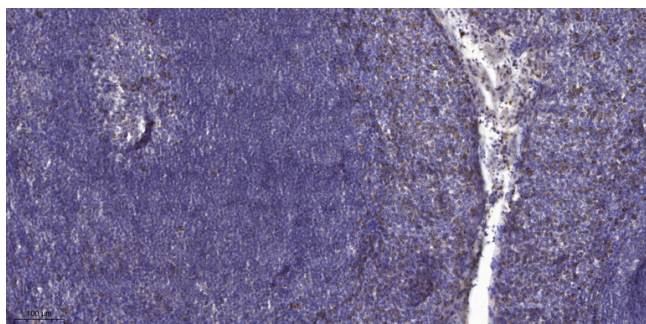
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).