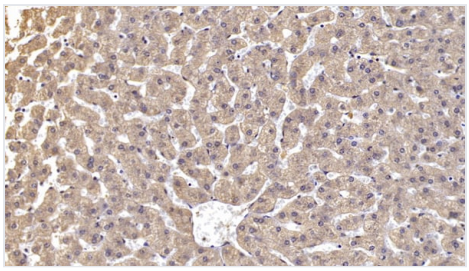
Reelin (RELN) Antibody – Mouse Monoclonal

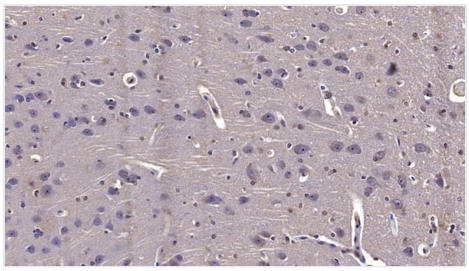
PRODUCT OVERVIEW

Product Name	Reelin (RELN), Monoclonal Antibody
Full Product Name	Monoclonal Antibody to Reelin (RELN)
Product Gene Name	anti-RELN antibody
Product Synonym Names	RELN/Reelin; RL
Clonality	Monoclonal
Isotype	IgG2b Kappa
Clone Number	C11
Host	Mouse
Species Reactivity	Human, Pig
Form/Format	Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.
Purity/Purification	Protein A + Protein G affinity chromatography
Concentration	1mg/mL (lot specific)
Specificity	The antibody is a mouse monoclonal antibody raised against RELN. It has been selected for its ability to recognize RELN in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: RELN Clone #C11 (MBS2139181) APC-CY7 Conjugated Antibody: RELN Clone #C11 (MBS2135392)
Matching Pairs	Unconjugated Antibody: RELN Clone #C11 (MBS2139181) PE Conjugated Antibody: RELN Clone #C11 (MBS2135397)
Matching Pairs	Unconjugated Antibody: RELN Clone #C11 (MBS2139181) APC Conjugated Antibody: RELN Clone #C11 (MBS2135402)
Matching Pairs	Unconjugated Antibody: RELN Clone #C11 (MBS2139181) Cy3 Conjugated Antibody: RELN Clone #C11 (MBS2135407)
Matching Pairs	Unconjugated Antibody: RELN Clone #C11 (MBS2139181) Biotin Conjugated Antibody: RELN Clone #C11 (MBS2135412)
Matching Pairs	Unconjugated Antibody: RELN Clone #C11 (MBS2139181) FITC Conjugated Antibody: RELN Clone #C11 (MBS2135417)
Matching Pairs	Unconjugated Antibody: RELN Clone #C11 (MBS2139181) HRP Conjugated Antibody: RELN Clone #C11 (MBS2135422)
Molecular Weight	384,093 Da
OMIM	U79716 mRNA
3D Structure	ModBase 3D Structure for P78509
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.

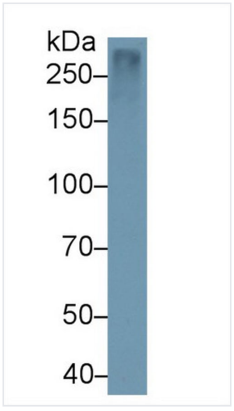
Immunogen Type	Prokaryotic Recombinant proteins/RP
Sequence of Immunogen	Glu3142~Pro3460
Conjugation	Unconjugated
Product Categories/Family for anti-RELN antibody	Neuro science; Primary
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-RELN antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-RELN antibody	WB: 0.52ug/mL IHC: 520ug/mL ICC: 520ug/mL
Related Product Information for anti-RELN antibody	MBS2139181 is an antibody targeting RELN. Also known as Monoclonal Antibody to Reelin (RELN). Reactive in Human, Pig. Host: Mouse.
Other Notes	Small volumes of anti-RELN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-RELN antibody
DAB staining on IHCP; Sample: Human Liver Tissue; Primary Ab: 10ug/ml Mouse AntiHuman Reelin Antibody Second Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Immunohistochemistry (IHC) of anti-RELN antibody
DAB staining on IHCP;Sample: Human Cerebrum Tissue; Primary Ab: 10ug/ml Mouse AntiHuman Reelin AntibodySecond Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody(Catalog: SAA544Mu19)



Western Blot (WB) of anti-RELN antibody
Western Blot; Sample: U87MG cell lysate Primary Ab: 3ug/ml Mouse AntiHuman Reelin Antibody Second Ab: 0.2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RELN. It may not necessarily be applicable to this product.

NCBI GI #	27436938
NCBI GeneID	5649

NCBI Accession #	NP_005036.2
UniProt Primary Accession #	P78509
UniProt Secondary Accession #	Q86UJ0; Q86UJ8; Q8NDV0; Q9UDQ2; A4D0P9; A4D0Q0
UniProt Related Accession #	P78509
GenBank Nucleotide #	NM_005045.3
NCBI Official Full Name	reelin isoform a
NCBI Official Synonym Full Names	reelin
NCBI Official Symbol	RELN
NCBI Official Synonym Symbols	RL; ETL7; LIS2; PRO1598
UniProt Protein Name	Reelin
Protein Family	Reelin
UniProt Gene Name	RELN
NCBI Protein Information	reelin
NCBI Summary for RELN	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]
UniProt Comments for RELN	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. Enzymatic activity is important for the modulation of cell adhesion. Binding to the extracellular domains of lipoprotein receptors VLDLR and LRP8/APOER2 induces tyrosine phosphorylation of DAB1 and modulation of TAU phosphorylation ().
Research Articles on RELN	**1.** reelin promotes multiple myeloma cell adhesion, survival, and drug resistance via activation of integrin alpha5beta1.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-pig-antibody/reelin-reln/2139181