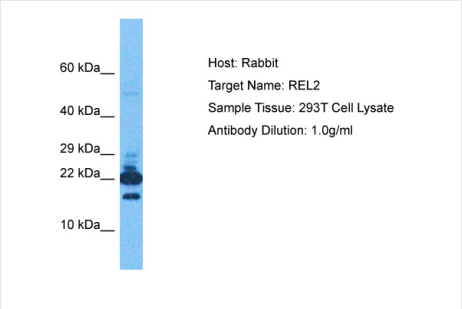
RLN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RLN2, Polyclonal Antibody
Full Product Name	RLN2 Antibody - middle region
Product Gene Name	anti-RLN2 antibody
Product Synonym Gene Name	H2; RLXH2; H2-RLX; bA12D24.1.1; bA12D24.1.2
Immunogen Sequence	Synthetic peptide located within the following region: FKKLIRNRQS EAADSSPSEL KYLGLDTHSR KKRQLYSALA NKCCHVGCTK
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	RLN2 peptide (MBS3245202) is used for blocking the activity of RLN2 antibody (MBS3220401)
Molecular Weight	21 kDa
OMIM	179740
3D Structure	ModBase 3D Structure for P04090
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human RLN2
Product Categories/Family for anti-RLN2 antibody	Polyclonal
Applications Tested/Suitable for anti-RLN2 antibody	Western Blot (WB)
Related Product Information for anti-RLN2 antibody	Relaxins are known endocrine and autocrine/paracrine hormones, belonging to the insulin gene superfamily. In humans there are three non-allelic relaxin genes, RLN1, RLN2 and RLN3, where RLN1 and RLN2 share high sequence homology. The active form of the protein encoded by this gene consists of an A chain and a B chain linked by disulfide bonds. Relaxin is produced by the ovary, and targets the mammalian reproductive system to ripen the cervix, elongate the pubic symphysis and inhibit uterine contraction. It may have additional roles in enhancing sperm motility, regulating blood pressure, controlling heart rate and releasing oxytocin and vasopressin. Alternative splicing of this gene results in multiple transcript variants.
Other Notes	Small volumes of anti-RLN2 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.
Searchable Terms for RLN2 purchase	MBS3220401 is an antibody targeting RLN2. Also known as RLN2 Antibody - middle region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-RLN2 antibody
Host: RabbitTarget Name: RLN2Sample Tissue: Human 293T Whole CellAntibody Dilution: 1.0ug/ml

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RLN2. It may not necessarily be applicable to this product.

NCBI GI #	20143935
NCBI GeneID	6019
NCBI Accession #	NP_005050.2
UniProt Primary Accession #	P04090
UniProt Related Accession #	P04090
GenBank Nucleotide #	NM_005059.3
NCBI Official Full Name	prorelaxin H2 isoform 2
NCBI Official Synonym Full Names	relaxin 2
NCBI Official Symbol	RLN2
NCBI Official Synonym Symbols	H2; RLXH2; H2-RLX; bA12D24.1.1; bA12D24.1.2
UniProt Protein Name	Prorelaxin H2
Protein Family	Prorelaxin
UniProt Gene Name	RLN2
UniProt Entry Name	REL2_HUMAN
NCBI Protein Information	prorelaxin H2
NCBI Summary for RLN2	This gene encodes a member of the relaxin subfamily and insulin superfamily of peptide hormones. In humans there are three non-allelic relaxin genes. This gene encodes multiple protein isoforms, at least one of which undergoes proteolytic processing. This processing generates relaxin A and B chains that are linked by disulfide bonds to form the mature peptide hormone. This hormone plays a role in the male and female reproductive systems and was initially noted for its role in pregnancy. This protein also plays broader roles in the cardiovascular system, including in the regulation of blood pressure and control of heart rate, and data from animal models shows that this protein may have anti-fibrotic and cardioprotective effects. [provided by RefSeq, Jul 2016]

UniProt Comments for RLN2	RLN2: Relaxin is an ovarian hormone that acts with estrogen to produce dilatation of the birth canal in many mammals. May be involved in remodeling of connective tissues during pregnancy, promoting growth of pubic ligaments and ripening of the cervix. Belongs to the insulin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 9p24.1 Cellular Component: extracellular region Molecular Function: hormone activity Biological Process: female pregnancy
Research Articles on RLN2	**1.** Data indicate that the small proportion of acute heart failure (AHF) patients achieving relaxin-2 concentrations similar to those observed in pregnancy may survive longer.
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