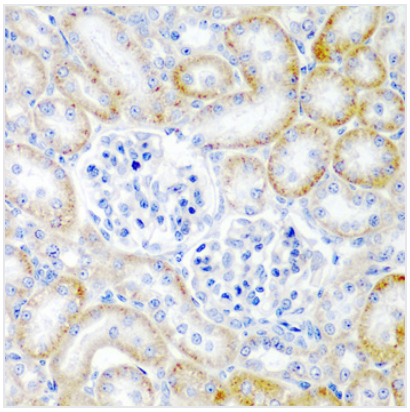
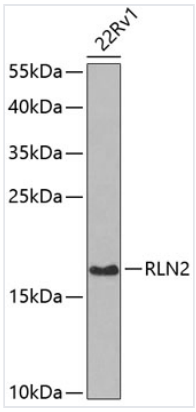
RLN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RLN2, Polyclonal Antibody
Full Product Name	RLN2 Rabbit Polyclonal Antibody
Product Gene Name	anti-RLN2 antibody
Product Synonym Names	RLN2; H2; H2-RLX; RLXH2; bA12D24.1.1; bA12D24.1.2; relaxin 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	12,883 Da
OMIM	179740
3D Structure	ModBase 3D Structure for P04090
Immunogen	Recombinant fusion protein of human RLN2 (NP_604390.1).
Product Categories/Family for anti-RLN2 antibody	Primary Antibody
Applications Tested/Suitable for anti-RLN2 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-RLN2 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-RLN2 antibody	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.
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	MBS9466108 is an antibody targeting RLN2. Also known as RLN2 Rabbit Polyclonal Antibody. Reactive in Human, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-RLN2 antibody
Immunohistochemistry of paraffin-embedded rat kidney using RLN2 at dilution of 1:200 (40x lens).



Western Blot (WB) of anti-RLN2 antibody
Western blot analysis of extracts of 22Rv1 cells, using RLN2 at 1:1000 dilution.

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 Secondary Accession #	Q99936; Q9UCX3; Q9UQJ2; A0AVM0
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; H2-preprorelaxin; relaxin, ovarian, of pregnancy
NCBI Summary for RLN2	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. [provided by RefSeq, Jan 2013]

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.** Benefits of relaxin-2 treatment in hypertension include reduced ADMA levels and increased NO bioavailability, possibly due to its antioxidant effects.
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