

Rabbit anti-Human RLN1/RLN2 Polyclonal Antibody | anti-RLN1 antibody

RLN1/RLN2 Antibody (C-term)

CATALOG # AAA288852	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

RLN1/RLN2; Polyclonal Antibody; RLN1/RLN2 Antibody (C-term); Prorelaxin H1; Relaxin B chain; Relaxin A chain; RLN1; anti-RLN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RLN1/RLN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 136-165 amino acids from the C-terminal region of human RLN1/RLN2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.4 (varies by lot)
Sequence Positions	136-165
Sequence Length	185
Applicable Applications for anti-RLN1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

RLN1/RLN2 Antibody (C-term) (AAA288852) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of RLN1/RLN2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

RLN1/RLN2 Antibody (C-term) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the RLN1/RLN2 antibody detected the RLN1/RLN2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-RLN1 antibody	Relaxins are known endocrine and autocrine/paracrine hormones, belonging to the insulin gene superfamily. In the human there are three non-allelic relaxin genes, RLN1, RLN2 and RLN3. RLN1 and RLN2 share high sequence homology. This encoded protein is synthesized as a single-chain polypeptide but the active form consists of an A chain and a B chain linked by disulfide bonds; however, their exact cleavage sites have not been described. 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. This gene has multiple polyadenylation sites. There are multiple alternatively spliced transcript variants described for this gene but their full length nature is not known yet. [provided by RefSeq].
Product Categories/Family for anti-RLN1 antibody	Cardiovascular ; Neuroscience ; Signal Transduction
References	Radestock, Y., et al. Mol. Cancer Res. 8(4):494-506(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Ferlin, A., et al. Bone 46(2):504-513(2010) Vogel, I., et al. In Vivo 23(6):1005-1009(2009) Anumba, D.O., et al. Eur. J. Obstet. Gynecol. Reprod. Biol. 147(1):41-45(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5902052
NCBI GeneID	6013
NCBI Accession #	NP_008842.1
NCBI GenBank Nucleotide #	NM_006911.3
UniProt Accession #	P04808 ; Q99936 ; Q9UQJ1
Molecular Weight	21146
NCBI Official Full Name	prorelaxin H1 preproprotein
NCBI Official Synonym Full Names	relaxin 1
NCBI Official Symbol	RLN1
NCBI Official Synonym Symbols	H1; H1RLX; RLXH1; bA12D24.3.1; bA12D24.3.2
NCBI Protein Information	prorelaxin H1
UniProt Protein Name	Prorelaxin H1
UniProt Gene Name	RLN1
UniProt Entry Name	REL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rln1-rln2-antibody-immunohistochemistry-western-blot-elisa/288852>