

RLN1/RLN2 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13864b**Specification**

RLN1/RLN2 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [P04808](#)**RLN1/RLN2 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 6013**Other Names**

Prorelaxin H1, Relaxin B chain, Relaxin A chain, RLN1

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13864b was selected from the C-term region of RLN1/RLN2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RLN1/RLN2 Antibody (C-term) Blocking peptide - Protein Information**Name** RLN1**Function**

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.

Cellular Location

Secreted.

Tissue Location

Prostate. Not expressed in placenta, decidua or ovary.

RLN1/RLN2 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

RLN1/RLN2 Antibody (C-term) Blocking peptide - Images

RLN1/RLN2 Antibody (C-term) Blocking peptide - Background

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].

RLN1/RLN2 Antibody (C-term) Blocking peptide - 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)