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RLN2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP19181b

Specification

RLN2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P04090

RLN2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 6019

Other Names
Prorelaxin H2, Relaxin B chain, Relaxin A chain, RLN2

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.

RLN2 Antibody (C-term) Blocking Peptide - Protein Information

Name RLN2

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
Isoform 1 is expressed in the ovary during pregnancy. Also expressed in placenta, decidua and prostate. Isoform 2 is relatively abundant in placenta. It is in much lower abundance in the prostate gland. Not detected in the ovary

RLN2 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

RLN2 Antibody (C-term) Blocking Peptide - Images

RLN2 Antibody (C-term) Blocking Peptide - Background

Relaxins are known endocrine and autocrine/paracrinehormones, belonging to the insulin gene superfamily. In the humanthere are three non-allelic relaxin genes, RLN1, RLN2 and RLN3.RLN1 and RLN2 share high sequence homology. The active form of theencoded protein consists of an A chain and a B chain but theircleavage sites are not definitely described yet. Relaxin isproduced by the ovary, and targets the mammalian reproductivesystem to ripen the cervix, elongate the pubic symphysis andinhibit uterine contraction. It may have additional roles inenhancing sperm motility, regulating blood pressure, controllingheart rate and releasing oxytocin and vasopressin. There are twoalternatively spliced transcript variants encoding differentisoforms described for this gene.

RLN2 Antibody (C-term) Blocking Peptide - References

Davila, S., et al. Genes Immun. 11(3):232-238(2010)Vogel, I., et al. In Vivo 23(6):1005-1009(2009)Dschietzig, T., et al. Regul. Pept. 155 (1-3), 163-173 (2009) :Mookerjee, I., et al. FASEB J. 23(4):1219-1229(2009)Svendsen, A.M., et al. Mol. Cell. Endocrinol. 296 (1-2), 10-17 (2008) :