



## Rabbit Anti-Relaxin 2 antibody

SL19835R

<b>Product Name:</b>	Relaxin 2
<b>Chinese Name:</b>	松弛肽2/松弛素2抗体
<b>Alias:</b>	H2; H2-preprorelaxin; H2-RLX; Prorelaxin H2; REL2_HUMAN; Relaxin 2 (H2); Relaxin 2; Relaxin A chain; Relaxin H2; Relaxin, Ovarian, Of Pregnancy; RLN2; RLXH2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	WB=1:500-2000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	21kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Relaxin 2:101-185/185
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 protein encoded by this gene is synthesized as a single-chain polypeptide but the active form 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. [provided by RefSeq, Jan 2013]

**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.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

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.

**Similarity:**

Belongs to the insulin family.

**SWISS:**

P04090

**Gene ID:**

6013

**Database links:**

[Entrez Gene: 6013](#) Human

[Entrez Gene: 6019](#) Human

[Entrez Gene: 25616](#) Rat

[Omid: 179740](#) Human

[SwissProt: P04090](#) Human

[SwissProt: P04808](#) Human

[SwissProt: P47932](#) Mouse

[SwissProt: P01347](#) Rat

[Unigene: 127032](#) Human

[Unigene: 368996](#) Human

[Unigene: 5033](#) Mouse

[Unigene: 9830](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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