



Rabbit Anti-Relaxin 3 antibody

SL11412R

Product Name:	Relaxin 3
Chinese Name:	松弛素3抗体
Alias:	H3; INSL 7; INSL7; Insulin like 7; Insulin like peptide 7; Insulin like peptide INSL7; Insulin like7; Insulinlike 7; Prorelaxin H3; Prorelaxin M3; REL 3; REL3; Relaxin 3; Relaxin 3 (H3); Relaxin 3 A chain; Relaxin 3 precursor; Relaxin3; RLN 3; RLN3; RXN 3; RXN3; ZINS 4; ZINS4; REL3 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	IHC-P=1:400-800IHC-F=1:400-800 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	3kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Relaxin 3 A chain:119-135/142
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	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. 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. The protein encoded by this gene is a member of the relaxin family. The active form of the encoded protein consists of an A chain and a B chain but their cleavage sites are not definitely described yet. It may play a role in neuropeptide signaling processes.

Function:

May play a role in neuropeptide signaling processes. Ligand for LGR7, relaxin-3 receptor-1 (GPCR135) and relaxin-3 receptor-2 (GPCR142).

Subunit:

Heterodimer of a B chain and an A chain linked by two disulfide bonds.

Subcellular Location:

Secreted.

Similarity:

Belongs to the insulin family.

SWISS:

Q8WXF3

Gene ID:

117579

Database links:

[Entrez Gene: 117579](#)Human

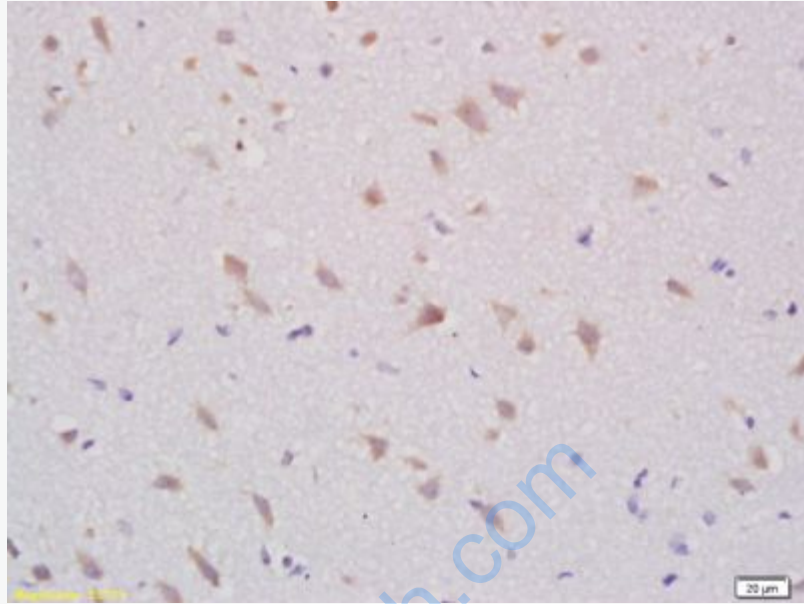
[Omin: 606855](#)Human

[SwissProt: Q8WXF3](#)Human

[Unigene: 352155](#)Human

Important Note:

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



Picture:

Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Relaxin-3 Polyclonal Antibody, Unconjugated(SL11412R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining