SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Relaxin 3 antibody

Catalog Number: SL11412R

FOR RESEARCH USE ONLY

[DATASHEET]

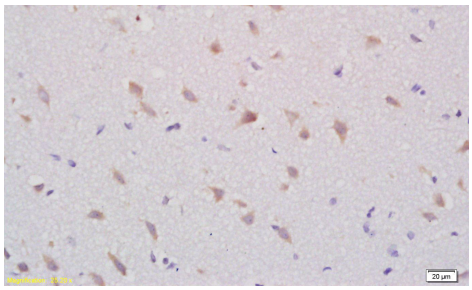
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Relaxin 3
Immunogen:	KLH conjugated synthetic peptide derived from human Relaxin 3 A chain: 119-135/142
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat, (predicted: Human, Mouse)
Predicted MW.:	3kDa
Subcellular Location:	Secretory protein
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. 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

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	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. **Database links:** **Entrez Gene:** 117579 Human Omim: 606855 Human **SwissProt:** Q8WXF3 Human **Unigene:** 352155 Human

[VALIDATION IMAGES]



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, 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℃ 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

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