

Relaxin 2/RLN2 Rabbit mAb

Catalog # AP76018

Product Information

Application	WB, IHC-P
Primary Accession	P04090
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	21043

Additional Information

Gene ID	6019
Other Names	RLN2
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

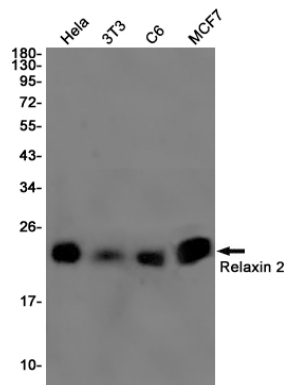
Name	RLN2
Function	Relaxin is an ovarian hormone that acts with estrogen to produce dilatation of the birth canal in many mammals. May be involved in remodeling of connective tissues during pregnancy, promoting growth of pubic ligaments and ripening of the cervix.
Cellular Location	Secreted.
Tissue Location	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

Background

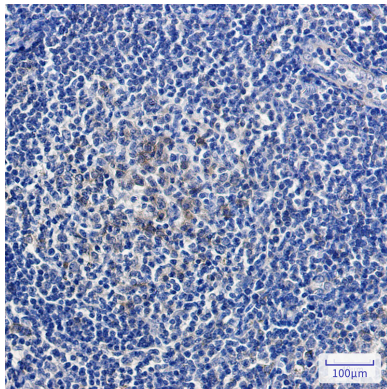
This gene encodes a member of the relaxin subfamily and insulin superfamily of peptide hormones. In

humans there are three non-allelic relaxin genes. This gene encodes multiple protein isoforms, at least one of which undergoes proteolytic processing. This processing generates relaxin A and B chains that are linked by disulfide bonds to form the mature peptide hormone. This hormone plays a role in the male and female reproductive systems and was initially noted for its role in pregnancy. This protein also plays broader roles in the cardiovascular system, including in the regulation of blood pressure and control of heart rate, and data from animal models shows that this protein may have anti-fibrotic and cardioprotective effects.

Images



Western blot analysis of Relaxin 2 in Hela, 3T3, C6, MCF-7 lysates using Relaxin 2 antibody.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using Relaxin 2/RLN2 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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