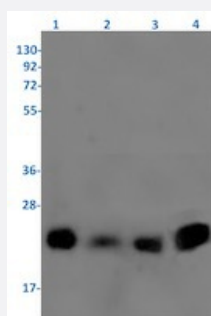


RecomAb™

RLN2 recombinant monoclonal antibody, clone R05-7A5

Catalog # RAB01947 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: Hela, Lane 2: 3T3, Lane 3: C6 and Lane 4: MCF-7 lysates with RLN2 recombinant monoclonal antibody, clone R05-7A5 (Cat # RAB01947).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human RLN2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human RLN2.
Theoretical MW (kDa)	Calculated MW: 21 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at -20 °C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: Hela, Lane 2: 3T3, Lane 3: C6 and Lane 4: MCF-7 lysates with RLN2 recombinant monoclonal antibody, clone R05-7A5 (Cat # RAB01947).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Gene Info — RLN2

Entrez GeneID

[6019](#)

Protein Accession#

[P04090](#)

Gene Name

RLN2

Gene Alias

H2, RLXH2, bA12D24.1.1, bA12D24.1.2

Gene Description

relaxin 2

Omim ID

[179740](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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. 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. 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. There are two alternatively spliced transcript variants encoding different isoforms described for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000021027|prorelaxin H2|relaxin H2|relaxin, ovarian, of pregnancy

Disease

- [Genetic Predisposition to Disease](#)
- [Premature Birth](#)