Antibodies

Data Sheet

HUMAN RELAXIN RECEPTOR 1 (aa 609-624)

ANTIBODY, POLYCLONAL

Catalog no.: A 9227.1 / A 9227.2

Immunogen: Synthetic human Relaxin Receptor 1 (aa 609-624) (SAITATEIRNQVKKEM) KLH-conjugated

Synonyms: Relaxin family peptide receptor 1 (RXFP1), Leucine-rich repeat-containing G-protein coupled receptor 7 (LGR7)

Swiss-Prot No: Q9HBX9

Gene Information: Gene Name: RXFP1

GeneID: 59350

Host: Rabbit

Matrix: Serum

Specificity: Human, monkey (macaque, marmoset), porcine, rat, and mouse Relaxin Receptor 1

There was no cross-reactivity obtained with human Relaxin Receptor 2 (RXFP2, LGR8).

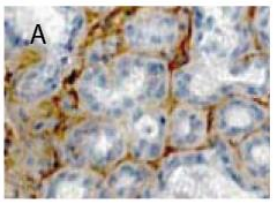


Figure 1: Immunohistochemistry image of RXFP1 staining in paraffin sections of healthy human breast tissue from lactating patient. The section was incubated with A 9227 (1:5000) overnight and detected using peroxidase-anti-peroxidase (PAP)-avidin-biotin-complex (ABC) combination method. DAB was used as the chromogen. The section was counterstained with haemalaun. **A.** A 9227 recognizes the stromal cells within the glands; **B.** Preimmune serum at the same dilution. Scale bar = 50µm.

Ivell R et al. (2003) Reprod Biol Endocrinol 1:114

Contents: 20 µl / 100 µl (lyophilized)

Resuspend in 20 µl / 100 µl aqua bidest.

Known applications: immunocytochemistry (1:4000)[1], immunohistochemistry (paraffin sections, 1:2000 - 1:5000)[1, 2, 3, 4]

This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.

Store at: 2-8 °C (lyophilized); - 20 °C (dissolved)

Repeated thawing and freezing must be avoided

References:

1. Ivell R, Balvers M, Pohnke Y, Telgmann R, Bartsch O, Milde-Langosch K, Bamberger AM, Einspanier A (2003). Immunoexpression of the relaxin receptor LGR7 in breast and uterine tissues of humans and primates. *Reprod Biol Endocrinol* **1**:114.

2. Yan W, Wiley AA, Bathgate RAD, Frankshun AL, Lasano S, Crean BD, Steinetz BG, Bagnell CA, Bartol FF (2006). Expression of LGR7 and LGR8 by neonatal porcine uterine tissues and transmission of milk-borne relaxin into the neonatal circulation by suckling. *Endocrinology* **147**(9): 4303-4310.

3. Squecco R, Garella R, Idrizaj E, Nistri S, Francini F & Baccari MC (2015). Relaxin affects smooth muscle biophysical properties and mechanical activity of the female mouse colon. *Endocrinology* 2015 Dec;**156**(12):4398-410.

Immundiagnostik AG
Stubenwald-Allee 8a · 64625 Bensheim · Germany
Phone: +49 (0) 62 51/70 19 00 · Fax: +49 (0) 62 51/84 94 30 · info@immundiagnostik.com · www.immundiagnostik.com

4. Kaftanovskaya EM, Soula M, Myhr C, Ho BA, Moore SN, Yoo C, Cervantes B, How J, Marugan J, Agoulnik IU, Agoulnik AI (2017). Human Relaxin Receptor Is Fully Functional in Humanized Mice and Is Activated by Small Molecule Agonist ML290. J Endocr Soc. 2017 Jun;**1**(6):712-725.

Last updated on: 6 December 2019

For research use only

Publishing research using A 9227? Please let us know so that we can cite your publication as a reference.

Immundiagnostik AG
Stubenwald-Allee 8a · 64625 Bensheim · Germany
Phone: +49 (0) 62 51/70 19 00 · Fax: +49 (0) 62 51/84 94 30 · info@immundiagnostik.com · www.immundiagnostik.com