

Product Datasheet

Relaxin R1/LGR7 Antibody (3E3) H00059350-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00059350-M01

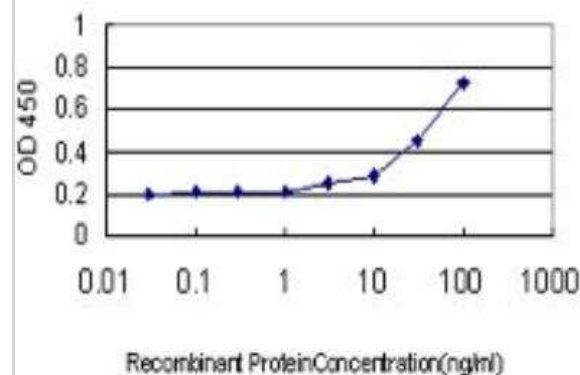
Relaxin R1/LGR7 Antibody (3E3)

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3E3
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	59350
Gene Symbol	RXFP1
Species	Human, Mouse, Rat, Monkey
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 24036884).
Specificity/Sensitivity	LGR7 - leucine-rich repeat-containing G protein-coupled receptor 7
Immunogen	LGR7 (NP_067647, 68 a.a. ~ 162 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. WSMQFDKYFASYKMTSQYPFEAETPECLVGSVPVQCLCQGLELDCDETNR AVPSVSSNVTAMSLQWNLIRKLPPDCFKNYHDLQKLYLQNNKI
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Functional, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, Flow Cytometry, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin, Functional
Application Notes	Antibody reactive against recombinant protein with GST tag on ELISA and Western Blot. GST tag alone is used as a negative control. Use in Immunocytochemistry/immunofluorescence and immunohistochemistry reported in scientific literature (PMID 24036884)



Images

ELISA: Relaxin R1/LGR7 Antibody (3E3) [H00059350-M01] - Detection limit for recombinant GST tagged LGR7 is approximately 3ng/ml as a capture antibody.



Publications

Hagen N, Thomas K, Friedrich P et al. C1q/TNF-Related Proteins 1, 6 and 8 Are Involved in Corneal Epithelial Wound Closure by Targeting Relaxin Receptor RXFP1 In Vitro. *Int J Mol Sci.* 2023-04-06 [PMID: 37047812]

Ofira Z, Alon S, Ido F et al. The distribution of relaxin receptors in the anterior segment of primary open-angle glaucoma patients. *Indian J Ophthalmol.* 2020-10-15 [PMID: 32971620]

T Wilhelmi, X Xu, X Tan, MS Hulshoff, S Maamari, S Sossalla, M Zeisberg, EM Zeisberg Serelaxin alleviates cardiac fibrosis through inhibiting endothelial-to-mesenchymal transition via RXFP1 *Theranostics*, 2020-03-04;10(9):3905-3924. 2020-03-04 [PMID: 32226528]

Vodstrcil LA, Shynlova O, Verlander JW et al. Decreased Expression of the Rat Myometrial Relaxin Receptor (RXFP1) in Late Pregnancy Is Partially Mediated by the Presence of the Conceptus. *Biol Reprod.* 2010-08-04 [PMID: 20686184]

Vandevoort CA, Mtango NR, Latham KE, Stewart DR. Primate preimplantation embryo is a target for relaxin during early pregnancy. *Fertil Steril.* 2011-06-08 [PMID: 21645893]

Ferlin A, Menegazzo M, Gianesello L et al. Effect of Relaxin on Human Sperm Functions and Fertilizing Ability. *J Androl.* 2011-09-08 [PMID: 21903973]

Soh YM, Tiwari A, Mahendroo M et al. Relaxin regulates hyaluronan synthesis and aquaporins in the cervix of late pregnant mice. *Endocrinology.* 2012-10-19 [PMID: 23087172]

Jelinic M, Leo CH, Post Uiterweer ED et al. Localization of relaxin receptors in arteries and veins, and region-specific increases in compliance and bradykinin-mediated relaxation after in vivo serelaxin treatment. *FASEB J.* 2013-09-13 [PMID: 24036884] (IF/IHC, ICC/IF, Rat)

Kern A, Bryant-Greenwood GD. Characterization of relaxin receptor (RXFP1) desensitization internalization in primary human decidual cells RXFP1 transfected HEK293 cells. *Endocrinology* 150(5):2419-28. 2009-05-01 [PMID: 19116340]

Feng S, Agoulnik IU, Truong A et al. Suppression of relaxin receptor RXFP1 decreases prostate cancer growth and metastasis. *Endocr Relat Cancer* 17(4):1021-33. 2010-10-29 [PMID: 20861284]

Ferlin A, Pepe A, Faccioli A et al. Relaxin stimulates osteoclast differentiation and activation. *Bone.* 2009-10-12 [PMID: 19833242]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA

Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada

Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

Products Related to H00059350-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP1-89585PEP	Relaxin R1/LGR7 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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