

Alternate Names	GPR106, GREAT, INSL3R, LGR8, LGR8.1, RXFPR2, relaxin/insulin like family peptide receptor 2, relaxin family peptide receptor 2
Isotype	IgG2a
Conjugate	Unconjugated
Background	Human relaxin/insulin-like family peptide receptor 2 (RXFP2), is a 7-transmembrane G protein-coupled receptor (GPCR). RXFP2 is a Class A GPCR and insulin-like peptide 3 (INSL3) is its ligand. Although RXFP2 has been primarily studied for its role in reproductive development and function, it has been found that increased RXFP2 activity has been implicated in resistant hypertension, leading to RXFP2 being investigated as a potential therapeutic target. Human RXFP2 protein has ~98% sequence homology with mouse RXFP2.

Product Details

Specificity	Human
Antibody Type	Monoclonal antibody
Host Species	Mouse
Immunogen	RXFP2 N-terminus extracellular domain, the exact sequence of the immunogen is proprietary.; UniProt # Q8WXD0
Formulation / Storage buffer	Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4 with 10% trehalose as protectant
Reconstitution	For best performance, we strongly recommend you reconstitute the lyophilized product with deionized water to a stock solution of 500 µg/mL. Solubilize for 20 minutes at room temperature with occasional gentle mixing. Avoid shaking or vortexing. For 25µg product size: Reconstitute with 50 µL sterile deionized water. For 100µg product size: Reconstitute with 200 µL sterile deionized water.

Anti-Human RXFP2 Monoclonal Antibody

Product Code: CABh-25313

Clone: 1A9-G9

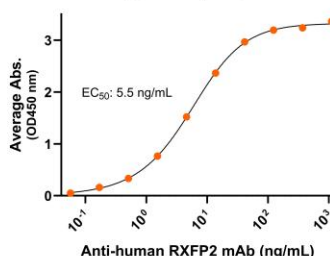
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Shipping	Frozen Ice Packs
Purification	Affinity Enrichment
Stability & Storage	-20°C
Verified Application	ELISA
Recommended Usage	ELISA: starting concentration 1 µg/mL

Bioactive Data, Detection of Antigen by:

ELISA

Anti-human RXFP2 Monoclonal Antibody, ELISA
0.2µg of RXFP2 protein per well



Immobilized human RXFP2 fragment at 2 µg/mL (100 µL/well) can bind mouse Anti-Human RXFP2 Monoclonal Antibody (Cat. No. CABh-25313) with half maximal effective concentration (EC₅₀) range of 2.8-11 ng/mL (QC tested).

Antigen Details

Structure	7-transmembrane protein, G protein-coupled receptor (GPCR)
Function	reproductive function, cardiovascular vasodilation
Ligand / Receptor	insulin-like peptide 3 (INSL3)
Cell Type	Main cell types around reproductive system including gubernacular cells, leydig cells
Molecular Family	G protein-coupled receptor
Gene ID	Q8WXD0