

Alternate Names	GPCR142, GPR100, RLN3R2, RXFP4, relaxin family peptide/INSL5 receptor 4
Isotype	IgG2a
Conjugate	Unconjugated
Background	Human relaxin/insulin-like family peptide receptor 4 (RXFP4) is a 7-transmembrane G protein-coupled receptor (GPCR). RXFP4 is a class A GPCR. RXFP4 is highly expressed in the lower gut and is involved with the regulation of food intake, gut motility, and other functions relevant to metabolic health and disease. Recently, it has also been implicated to be involved in serotonin release. RXFP4 deficiency has been implicated in colon motility, colorectal cancer, and nasopharyngeal carcinoma. Human RXFP4 protein has ~99% sequence homology with mouse RXFP4.

Product Details

Specificity	Human
Antibody Type	Monoclonal antibody
Host Species	Mouse
Immunogen	RXFP4 N-terminus, the exact sequence of the immunogen is proprietary.; UniProt # Q8TDU9
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 RXFP4 Monoclonal Antibody

Product Code: CABh-25341

Clone: 1F1-E11

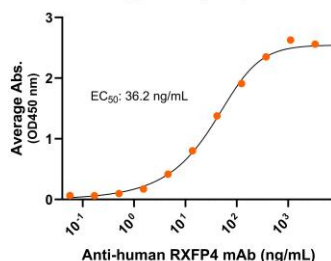
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Shipping	Frozen Ice Packs
Purification	Affinity Enrichment
Stability & Storage	-20°C
Verified Application	ELISA
Recommended Usage	ELISA: starting concentration 1 µg/mL

Bioactive Data, Detection of Antigen by:

ELISA

Anti-human RXFP4 Monoclonal Antibody, ELISA
0.2µg of RXFP4 protein per well



Immobilized human RXFP4 fragment at 2 µg/mL (100 µL/well) can bind mouse Anti-Human RXFP4 Monoclonal Antibody (Cat. No. CABh-25341) with half maximal effective concentration (EC₅₀) range of 18.1-72.4 ng/mL (QC tested).

Antigen Details

Structure	7-transmembrane protein, G protein-coupled receptor (GPCR)
Function	Regulation of food intake, gut motility, and other metabolic functions
Ligand / Receptor	insulin-like peptide 5 (INSL5)
Cell Type	epithelial cells, neuroendocrine cells
Molecular Family	G protein-coupled receptor
Gene ID	Q8TDU9