

GPR100 Rabbit pAb

Catalog # AP98599

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8TDU9
Other Accession	Q8TDU9
Reactivity	Human
Predicted	Pig, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41141
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GPR100
Epitope Specificity	151-250/374
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	G protein-coupled receptors (GPRs) are a protein family of transmembrane receptors that transmit an extracellular signal (ligand binding) into an intracellular signal (G protein activation). GPR signaling is an evolutionarily ancient mechanism used by all eukaryotes to sense environmental stimuli and mediate cell-cell communication. All of the receptors have seven membrane-spanning domains and the extracellular parts of the receptor can be glycosylated. These extracellular loops also contain two highly conserved cysteine residues which create disulfide bonds to stabilize the receptor structure. Relaxin Receptor 4, also known as Relaxin/insulin-like family peptide receptor 4, RXFP4, RLN3R2, GPCR142 or GPR100, is a G protein-coupled receptor that binds Relaxin 3 and is specifically expressed in peripheral tissues, particularly in the colon.

Additional Information

Gene ID	339403
Other Names	GPCR142; GPR100; RLN3R2; RXFP4; SALPR; RL3R2_HUMAN; RXFP4; RLN3 receptor 2; G-protein coupled receptor 100; G-protein coupled receptor GPCR142; Insulin-like peptide INSL5 receptor; Relaxin family peptide receptor 4; RL3R2_MOUSE; relaxin family peptide/INSL5 receptor 4; G protein-coupled receptor 100; relaxin 3 receptor 2; relaxin/insulin like family peptide receptor 4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=3 µg/Test

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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Protein Information

Name	RXFP4
Synonyms	GPCR142, GPR100, RLN3R2
Function	High affinity receptor for INSL5. Also acts as a receptor for RLN3/relaxin-3, as well as bradykinin and kallidin. Binding of the ligand inhibit cAMP accumulation.
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Expressed in a broader range of tissues including brain, kidney, testis, thymus, placenta, prostate, salivary gland, thyroid and colon.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.