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GPR106 Rabbit pAb

Catalog # AP100197

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WXD0
Other Accession	Q8WXD0
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86453
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GPR106
Epitope Specificity	301-400/754
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. Contains 1 LDL-receptor class A domain. Contains 10 LRR (leucine-rich) repeats.
DISEASE	Defects in RXFP2 are a cause of cryptorchidism (CRYPTO) [MIM:219050]; also known as impaired testicular descent. It is one of the most frequent congenital abnormalities in humans, involving 2-5% of male births. Cryptorchidism is associated with increased risk of infertility and testicular cancer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the GPCR (G protein-coupled, 7-transmembrane receptor) family. Mutations in this gene are associated with cryptorchidism. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009].

Additional Information

Gene ID	122042
Other Names	GPR106; GREAT; INSL3R; LGR8; LGR8.1; RXFPR2; Gpcr; RXFP2_HUMAN; RXFP2; G-protein coupled receptor 106; G-protein coupled receptor affecting testicular descent; Leucine-rich repeat-containing G-protein coupled receptor 8; Relaxin family peptide receptor 2; RXFP2_MOUSE; leucine-rich repeat-containing G protein-coupled receptor 8; relaxin/insulin like family peptide receptor 2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

Protein Information

Name	RXFP2
Synonyms	GPR106, GREAT, LGR8
Function	Receptor for relaxin. The activity of this receptor is mediated by G proteins leading to stimulation of adenylate cyclase and an increase of cAMP. May also be a receptor for Leydig insulin-like peptide (INSL3).
Cellular Location	Cell membrane; Multi-pass membrane protein.
Tissue Location	Expressed mainly in the brain, kidney, muscle, testis, thyroid, uterus, peripheral blood cells and bone marrow

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