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[Marker Primary Antibody]

Rabbit Anti-GPR106/Biotin Conjugated antibody

Catalog Number: SL20083R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-GPR106/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human GPR106
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human,Mouse,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Background:	background: 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]. **Function:** The activity of this relaxin receptor is mediated by G proteins leading to stimulation of adenylate cyclase and an increase of cAMP and may also be a receptor for Leydig insulin-like peptide. LGR8 has been reported in blood, bone marrow, brain, kidney, muscle, testis, thyroid, and uterus. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Tissue Specificity:** Expressed mainly in the brain, kidney, muscle, testis, thyroid, uterus, peripheral blood cells and bone marrow. DISEASE: Defects in RXFP2 are a cause of cryptorchidism (CRYPTO) [MIM:219050]; also known as impaired testicular descent. It is one of the most

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	frequent congenital abnormalities in humans, involving 2-5% of male births. Cryptorchidism is associated with increased risk of infertility and testicular cancer. **Similarity:** Belongs to the G-protein coupled receptor 1 family. Contains 1 LDL-receptor class A domain. Contains 10 LRR (leucine-rich) repeats. **Database links:** **Entrez Gene:** 122042 Human **Entrez Gene:** 140498 Mouse **Entrez Gene:** 363866 Rat Omim: 606655 Human **SwissProt:** Q8WXD0 Human **SwissProt:** Q91ZZ5 Mouse **Unigene:** 680763 Human **Unigene:** 444643 Mouse Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.