



Rabbit Anti-GPR106 antibody

SL20083R

Product Name:	GPR106
Chinese Name:	G protein-coupled receptor106抗体
Alias:	G protein coupled receptor 106; G-protein coupled receptor 106; G protein coupled receptor affecting testicular descent; GPR106; GPR-106; GREAT; INSL3R; Leucine rich repeat containing G protein coupled receptor 8; LGR8; Relaxin/insulin-like family peptide receptor 2; Relaxin family peptide receptor 2; Relaxin receptor 2; Relaxin receptor-2; RXFP 2; RXFP-2; RXFP2; RXFPR2; RXFP2_HUMAN; GPCR LGR8.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	86kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GPR106:301-400/754
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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 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.

SWISS:

Q8WXD0

Gene ID:

122042

Database links:

[Entrez Gene: 122042](#)Human

[Entrez Gene: 140498](#)Mouse

[Entrez Gene: 363866](#)Rat

[Omim: 606655](#)Human

[SwissProt: Q8WXD0](#)Human

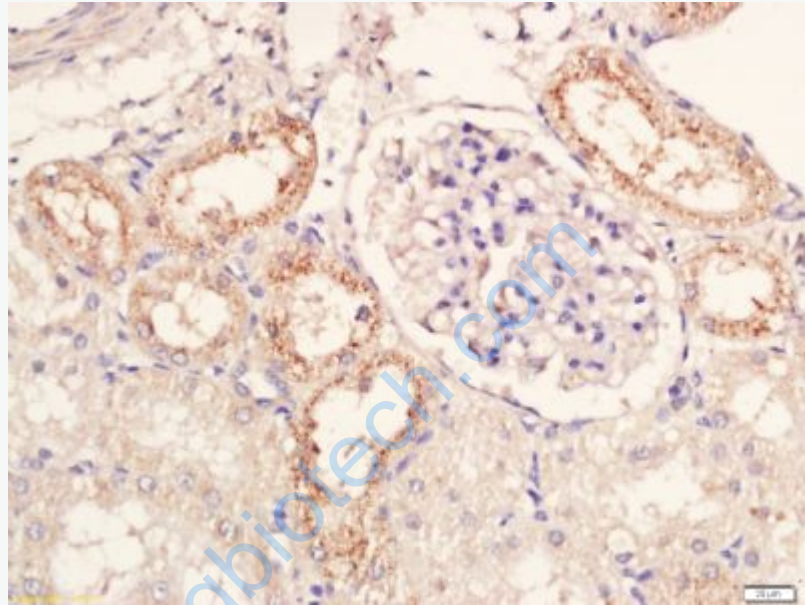
[SwissProt: Q91ZZ5](#)Mouse

[Unigene: 680763](#)Human

[Unigene: 444643](#)Mouse

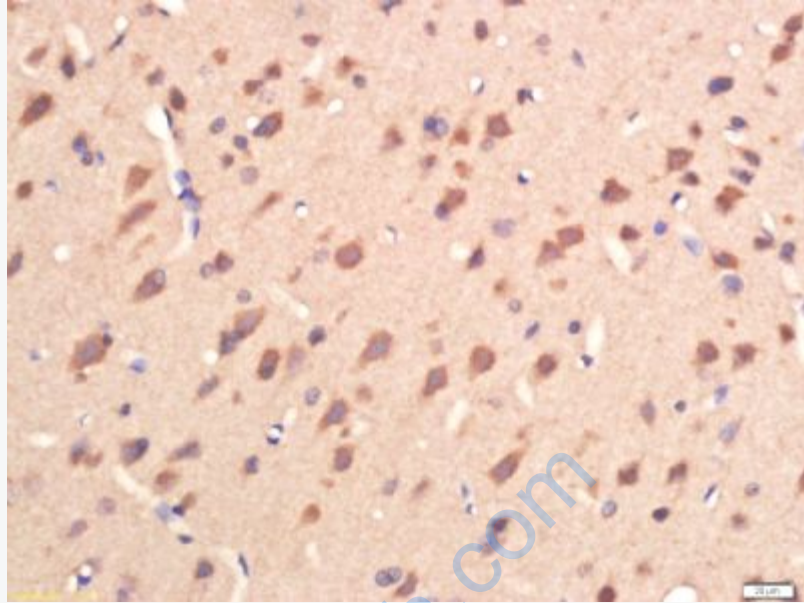
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

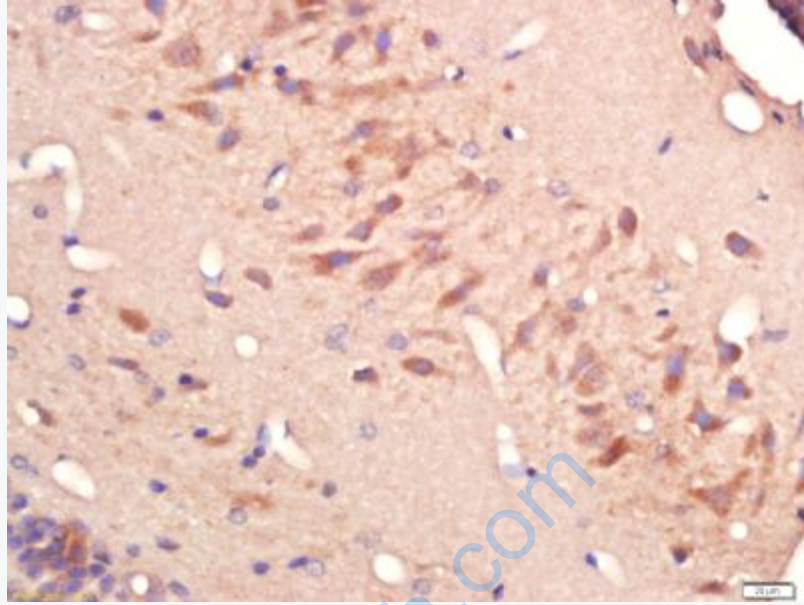


Picture:

Tissue/cell: rat kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-GPR106 Polyclonal Antibody, Unconjugated(SL20083R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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