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Rabbit Anti-GPR88 antibody

SL12017R

Product Name:	GPR88
Chinese Name:	G protein-coupled receptor88抗体
Alias:	G protein coupled receptor 88; G protein-coupled receptor 88; G-protein coupled receptor 88; Probable G protein coupled receptor 88; STRG; Striatum specific G protein coupled receptor; GPR88_HUMAN; GPCR88.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Rabbit,
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:	38kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human G protein coupled receptor 88:64-170/384<Extracellular>
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:	G protein-coupled receptors (GPRs), also known as seven transmembrane receptors, heptahelical receptors or 7TM receptors, comprise a superfamily of proteins that play a role in many different stimulus-response pathways. G protein coupled receptors translate extracellular signals into intracellular signals (G protein activation) and they

respond to a variety of signaling molecules, such as hormones and neurotransmitters. GPR88 (G protein-coupled receptor 88), also known as STRG, is a 384 amino acid multi-pass membrane protein that localizes to the cell membrane and belongs to the G protein coupled receptor family. Expressed exclusively in striatum, GPR88 functions as an orphan receptor that may be involved in signaling pathways throughout the cell. Human GPR88 shares 95% sequence identity with its rat counterpart, suggesting a conserved role between species.

Function:
An orphan receptor belonging to the G-protein coupled receptor 1 family, GPR88 is expressed almost exclusively in striatum.

Subcellular Location:
Cell Membrane; Multi-pass membrane protein

Tissue Specificity:
Expressed almost exclusively in striatum.

Similarity:
Belongs to the G-protein coupled receptor 1 family.

SWISS:
Q9GZN0

Gene ID:
54112

Database links:

Entrez Gene: 54112Human

Entrez Gene: 64378Mouse

Entrez Gene: 64443Rat

Omim: 607468Human

SwissProt: Q9GZN0Human

SwissProt: Q9EPB7Mouse

SwissProt: Q9ESP4Rat

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