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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.
Research Area	Cell biology Neurobiology Signal transduction The cell membrane 受体 G protein-coupled receptor G protein signal
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Dog,Cow,Rabbit)
Applications	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	38kDa
Cellular localization	The cell membrane
Form	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
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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: 54112 Human

Entrez Gene: 64378 Mouse

Entrez Gene: 64443 Rat

Omim: 607468 Human

SwissProt: Q9GZN0 Human

SwissProt: Q9EPB7 Mouse

SwissProt: Q9ESP4 Rat

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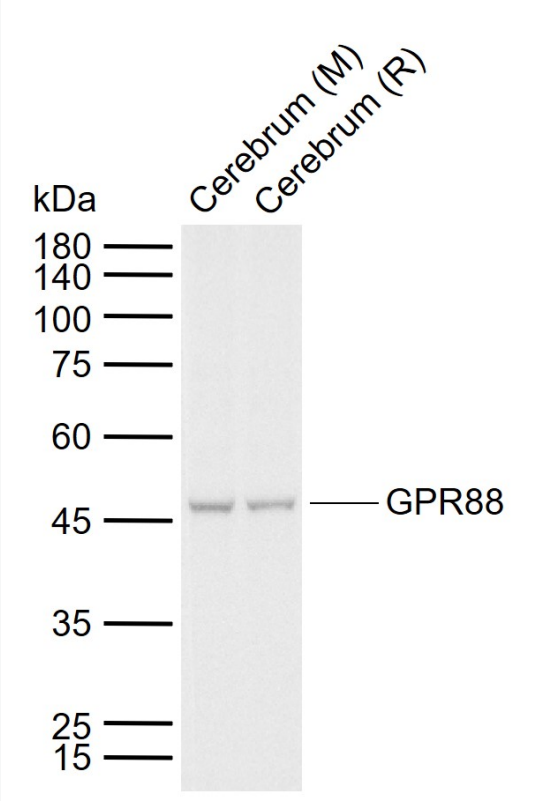
Product Picture



Sample:

Lane 1: Mouse Cerebrum tissue lysates

Lane 2: Rat Cerebrum tissue lysates

Primary: Anti-GPR88 (SL12017R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 38 kDa

Observed band size: 47 kDa