

## Rabbit Anti-GPR101 antibody

SL12020R

**Product Name** GPR101

**Chinese Name** G protein-coupled receptor101 抗体

**Alias** G protein-coupled receptor 101; GP101\_HUMAN; GPCR6; GPCR101; GPR101; Probable G-protein-coupled receptor 101.

**Research Area** Cell biology Neurobiology Signal transduction The cell membrane 受体 G protein-coupled receptor signal

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** (predicted: Human, Mouse, Rat, Dog, Rabbit, Sheep, )

WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA  
(Paraffin sections need antigen repair)

**Applications** not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 57kDa

**Cellular localization** The cell membrane

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human GPR101: 1-100/508 <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°C. 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** G protein-coupled receptors (GPRs), also known as seven transmembrane receptors, heptahelical

## Detail

7TM receptors, comprise a superfamily of proteins that play a role in many different stimulus-re pathways. G protein coupled receptors translate extracellular signals into intracellular signals (G activation) and they respond to a variety of signaling molecules, such as hormones and neurotransmitters. GPR101 (G protein-coupled receptor 101), also known as GPCR6, is a 508 amino acid multi-pass protein that belongs to the G-protein coupled receptor 1 family. GPR101 functions as an orphan receptor thought to play a role in signaling events throughout the cell. Expressed predominantly in brain, GPR101 participates in a wide range of activities in the CNS via modulation of cAMP levels.

### Function:

Orphan receptor.

### Subcellular Location:

Cell membrane; Multi-pass membrane protein.

### Similarity:

Belongs to the G-protein coupled receptor 1 family.

### SWISS:

Q96P66

### Gene ID:

83550

### Database links:

[Entrez Gene: 83550](#) Human

[Entrez Gene: 245424](#) Mouse

[Omin: 300393](#) Human

[SwissProt: Q96P66](#) Human

[SwissProt: Q80T62](#) Mouse