

Rabbit Anti-GPR136 antibody

SL12024R

Product Name GPR136

Chinese Name G protein-coupled receptor136 抗体

Alias G protein-coupled receptor 136; G-protein coupled receptor PGR12; Gpr136; HGNC:21318; Neuropsin; OPN5; Opsin 5; PGR12; TMEM13; Transmembrane protein 13; OPN5_HUMAN; GPCR GPR136.

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

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Human, Mouse, Rat, Chicken, Dog, Cow, Horse, Rabbit, Sheep,)
IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
(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 40kDa

Cellular localization The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human G protein-coupled receptor 136: 11-110/354 <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](#)

GPCR GPR136, also known as Opsin 5, is a member of the guanine nucleotide binding protein (G protein) coupled receptor superfamily. This gene belongs to the seven exon subfamily of mammalian opsin genes that includes peropsin (RRH) and retinal G protein coupled receptor (RGR). Like these other seven exon opsin genes, this gene may encode a protein with photoisomerase activity. Alternative splicing results in multiple transcript variants encoding different isoforms. ESTs for the GPR136 gene have been identified from human normal testis and B cell/lung/testis libraries..

Subcellular Location:

Membrane; Multipass membrane protein.

Tissue Specificity:

Detected in brain and retina and cell lines derived from neural retina.

Post-translational modifications:

It is uncertain whether Cys-315 or Cys-316 is palmitoylated.

Similarity:

Belongs to the G-protein coupled receptor 1 family. Opsin subfamily.

**Product
Detail**

SWISS:

Q6U736

Gene ID:

221391

Database links:

[Entrez Gene: 221391](#) Human

[Entrez Gene: 353344](#) Mouse

[Entrez Gene: 316259](#) Rat

[SwissProt: Q6U736](#) Human

[SwissProt: Q6VZZ7](#) Mouse

[SwissProt: Q7TQN6](#) Rat

[Unigene: 213717](#) Human

[Unigene: 184937](#) Mouse



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