



## Rabbit Anti-GPR136 antibody

SL12024R

<b>Product Name:</b>	GPR136
<b>Chinese Name:</b>	G protein-coupled receptor136抗体
<b>Alias:</b>	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.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=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.
<b>Molecular weight:</b>	40kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human G protein-coupled receptor 136:11-110/354<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**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

[Unigene: 97222](#) Rat

**Important Note:**

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

