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[Marker Primary Antibody]

Rabbit Anti-GPR136/FITC Conjugated antibody

Catalog Number: SL12024R-FITC

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-GPR136/FITC
Immunogen:	KLH conjugated synthetic peptide derived from human G protein-coupled receptor 136
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	ICC/IF=1:50-200 IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,Sheep)
Subcellular Location:	The cell membrane
Background:	background: 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

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	is palmitoylated. **Similarity:** Belongs to the G-protein coupled receptor 1 family. Opsin subfamily. **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.