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[Primary Antibody]

Rabbit Anti-GPCR MRGE/GPCR GPR167 antibody

Catalog Number: SL16269R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GPCR MRGE/GPCR GPR167
Immunogen:	KLH conjugated synthetic peptide derived from human GPCR MRGE/GPCR GPR167: 51-150/312 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	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） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human)
Predicted MW.:	34kDa
Subcellular Location:	The cell membrane
Background:	MRGE is a 311 amino acid multi-pass membrane protein that acts as an orphan receptor and is though to influence nociceptor function. A member of the G-protein coupled receptor 1 family and MAS subfamily, MRGE is encoded by a gene that maps to human chromosome 11p15.4 and mouse chromosome 7 F5. Chromosome 11 comprises approximately 4% of human genomic DNA and is considered a gene and disease association dense chromosome. The chromosome 11 encoded Atm gene is important for regulation of cell cycle arrest and apoptosis following double strand DNA breaks. Atm mutation leads to the disorder known as ataxia-telangiectasia. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick

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	disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are also associated with defects in chromosome 11-encoded genes. **Function:** Orphan receptor. May regulate nociceptor function and/or development, including the sensation or modulation of pain. **Subcellular Location:** Cell membrane. **Similarity:** Belongs to the G-protein coupled receptor 1 family. Mas subfamily. **Database links:** **Entrez Gene:** 116534 Human **Entrez Gene:** 244238 Mouse **Entrez Gene:** 404660 Rat Omim: 607232 Human **SwissProt:** Q86SM8 Human **SwissProt:** Q91ZB7 Mouse **SwissProt:** Q7TN40 Rat **Unigene:** 706565 Human **Unigene:** 183561 Mouse **Unigene:** 189891 Rat

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