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[Primary Antibody]

Rabbit Anti-GPR105 antibody

Catalog Number: SL15356R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GPR105
Immunogen:	KLH conjugated synthetic peptide derived from human GPR105 protein : 131-230/388 <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:	WB=1:500-2000 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.:	39kDa
Subcellular Location:	The cell membrane
Background:	GPR105 is widely expressed throughout many brain regions where it localizes to glial cells, and specifically co-localizes with astrocytes. GPR105 is upregulated when a tissue is immunologically challenged with lipopolysaccharide, leading to the theory that GPR105 may play an important role in modulating peripheral and neuroimmune function. **Function:** Receptor for UDP-glucose and other UDP-sugar coupled to G-proteins. Not activated by ATP, ADP, UTP or ATP. **Subcellular Location:** Cell membrane; Multi-pass membrane protein. **Tissue Specificity:** Highest expression in the placenta, adipose tissue, stomach

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	and intestine, intermediate levels in the brain, spleen, lung and heart, lowest levels in the kidney. **Similarity:** Belongs to the G-protein coupled receptor 1 family. **Database links:** **Entrez Gene:** 9934 Human Omim: 610116 Human **SwissProt:** Q15391 Human **Unigene:** 2465 Human

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