SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-GPR116/Biotin Conjugated antibody

Catalog Number: SL12025R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-GPR116/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human G protein coupled receptor 116
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:	ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted:Human,Mouse,Rat,Rabbit)
Background:	background: G protein-coupled receptors (GPRs), also known as seven transmembrane receptors, heptahelical receptors or 7TM receptors, comprise a superfamily of proteins that play a role in many different stimulus-response pathways. G protein coupled receptors translate extracellular signals into intracellular signals (G protein activation) and they respond to a variety of signaling molecules, such as hormones and neurotransmitters. GPR116 (G protein-coupled receptor 116) is a 1,346 amino acid multi-pass membrane protein that contains one SEA domain, one GPS domain and three Ig-like domains and belongs to the GPR family. Existing as a dilsulfide-liked homodimer at the cell surface, GPR116 exists as multiple alternatively spliced isoforms and is thought to play a role in regulating and maintaining proper acid-base balance throughout the cell. **Function:** May have a role in the regulation of acid-base balance. **Subunit:** Exists as disulfide-linked dimers at the cell surface

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

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	Subcellular Location: Cell membrane; Multi-pass membrane protein **Post-translational modifications:** Proteolytically cleaved into 2 highly conserved sites: one in the SEA domain and the other in the stalk domain region preceding the first transmembrane. The later 2 subunits, the extracellular subunit and the seven-transmembrane subunit, remain tightly associated and non-covalently linked. **Similarity:** Belongs to the G-protein coupled receptor 2 family. LN-TM7 subfamily. Contains 1 GPS domain. Contains 3 Ig-like (immunoglobulin-like) domains. Contains 1 SEA domain. **Database links:** UniProtKB/Swiss-Prot: Q8IZF2.3 Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.