

Rabbit Anti-GPR105 antibody

SL12028R

Product Name GPR105

Chinese Name G protein-coupled receptor105 抗体

Alias A330108O13Rik; G protein coupled receptor for UDP-glucose; G protein-coupled receptor 105; G protein-coupled receptor VTR 15-20; G-protein coupled receptor 105; GPR105; KIAA0001; P2RY14; P2Y purinoceptor 14; P2Y(14) receptor; P2Y14; P2Y14 receptor; P2Y14_HUMAN; Purinergic receptor P2Y G protein coupled 14; Similar to TYPE-1 Angiotensin II receptor; UDP-glucose receptor; GPCR GPR105.

Research Area Neurobiology The cell membrane 受体 G protein-coupled receptor G protein signal

Immunogen Species Rabbit

Clonality Polyclonal

React Species (predicted: Human, Mouse, Rat,)
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)

Applications not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 39 kDa

Cellular localization The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human G-protein coupled receptor 105: 125-230/338 <Extracellular>

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention

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

PubMed

[PubMed](#)

The product of this gene belongs to the family of G-protein coupled receptors, which contains several receptor subtypes with different pharmacological selectivity for various adenosine and uridine nucleotides. This receptor is a P2Y purinergic receptor for UDP-glucose and other UDP-sugars coupled to G-proteins. It has been implicated in extending the known immune system functions of P2Y receptors by participating in the regulation of the stem cell compartment, and it may also play a role in neuroimmune function. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]

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 and intestine, intermediate levels in the brain, spleen, lung and heart, lowest levels in the kidney.

Product Detail

Similarity:

Belongs to the G-protein coupled receptor 1 family.

SWISS:

Q15391

Gene ID:

9934

Database links:

[Entrez Gene: 9934](#) Human

[Entrez Gene: 140795](#) Mouse

[Entrez Gene: 171108](#) Rat

[Omim: 610116](#) Human

[SwissProt: Q15391](#) Human

[SwissProt: Q9ESG6](#) Mouse



SunLong Biotech Co.,LTD

Tel: 0086-571-56623320 Fax:0086-571-56623318

E-mail:sales@sunlongbiotech.com

www.sunlongbiotech.com

[SwissProt: O35881](#) Rat

[Unigene: 2465](#) Human

[Unigene: 447969](#) Mouse

[Unigene: 228423](#) Rat

[Unigene: 87082](#) Rat