Product Name: GPR105 Rabbit Polyclonal Antibody
Catalog #: APRab11622

Summary

Production Name	GPR105 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,WB,
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	P2RY14
Alternative Names	P2RY14; GPR105; KIAA0001; P2Y purinoceptor 14; P2Y14; G-protein coupled receptor 105; UDP-glucose receptor
Gene ID	9934.0
SwissProt ID	Q15391.The antiserum was produced against synthesized peptide derived from human GPR105. AA range:146-195

Application

Dilution Ratio	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Molecular Weight	39kD

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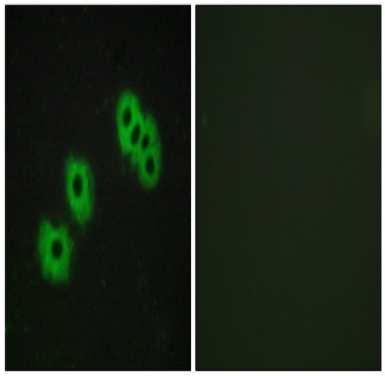
Background

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.,similarity:Belongs to the G-protein coupled receptor 1 family.,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.,

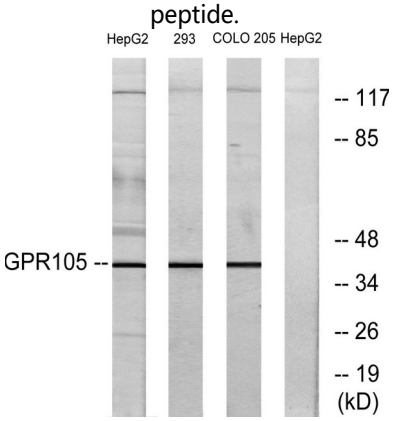
Research Area

Neuroactive ligand-receptor interaction;

Image Data

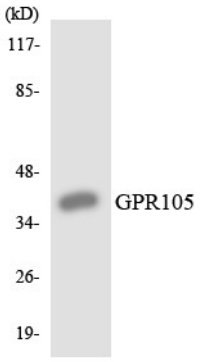


Immunofluorescence analysis of MCF7 cells, using GPR105 Antibody. The picture on the right is blocked with the synthesized peptide.

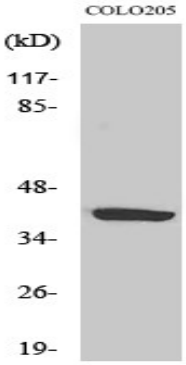


Western blot analysis of lysates from 293, COLO205, and HepG2 cells, using GPR105 Antibody. The lane on the right is

blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using GPR105 antibody.



Western Blot analysis of various cells using GPR105 Polyclonal Antibody

Note

For research use only.