



GPR105 Polyclonal Antibody

Catalog No	YP-Ab-13282
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	P2RY14
Immunogen	The antiserum was produced against synthesized peptide derived from human GPR105. AA range:146-195
Specificity	GPR105 Polyclonal Antibody detects endogenous levels of GPR105 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	G protein coupled receptor 15;GPR15;KIAA1;P2RY14;P2Y purinoceptor 14; P2Y14;UDP glucose receptor;GPR105;KIAA0001;G-protein coupled receptor 105;UDP-glucose receptor
Observed Band	39kD
Calculated Molecular Weight	39kD
Cell Pathway	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.
Function	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.,

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],

matters needing attention

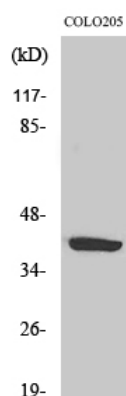
Avoid repeated freezing and thawing!

Usage suggestions

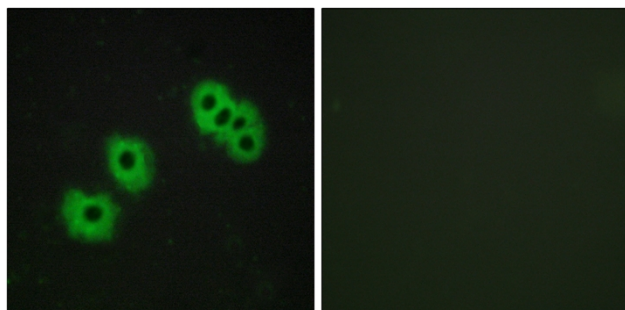
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



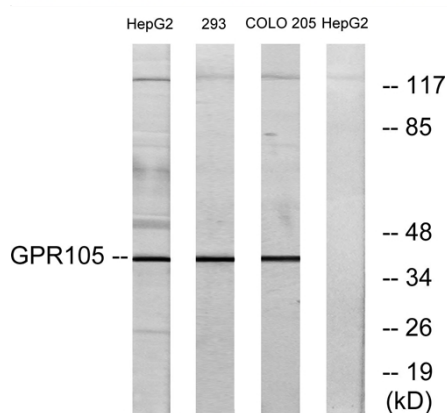
Products Images



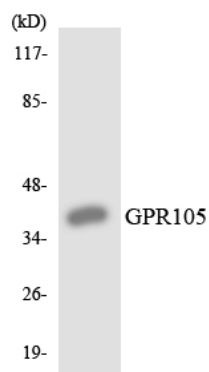
Western Blot analysis of various cells using GPR105 Polyclonal Antibody



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.