

GPR105 Polyclonal Antibody

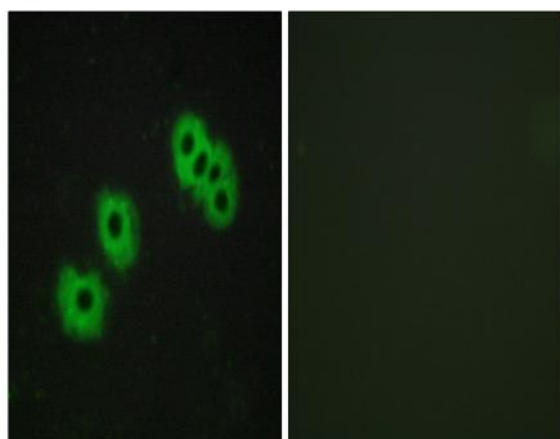
Catalog No :	YT1952
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	GPR105
Fields :	>>Neuroactive ligand-receptor interaction
Gene Name :	P2RY14
Protein Name :	P2Y purinoceptor 14
Human Gene Id :	9934
Human Swiss Prot No :	Q15391
Mouse Gene Id :	140795
Mouse Swiss Prot No :	Q9ESG6
Rat Gene Id :	171108
Rat Swiss Prot No :	O35881
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
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	39kD
Cell Pathway :	Neuroactive ligand-receptor interaction;
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 :	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.,
Subcellular Location :	Cell membrane; Multi-pass membrane protein.
Expression :	Highest expression in the placenta, adipose tissue, stomach and intestine, intermediate levels in the brain, spleen, lung and heart, lowest levels in the kidney.

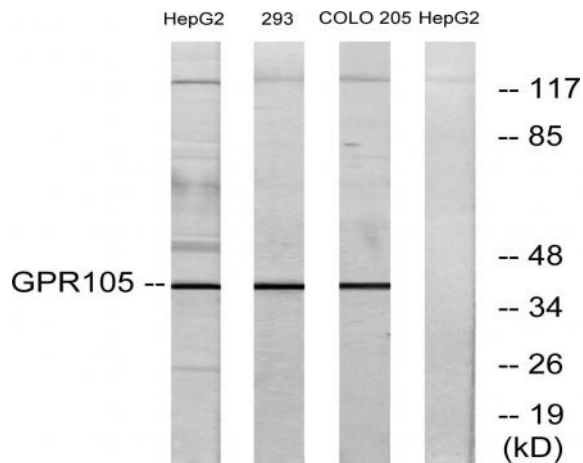
Products Images



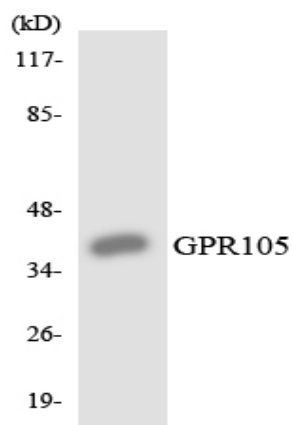
Western Blot analysis of various cells using GPR105 Polyclonal Antibody



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.