

GPR114 Polyclonal Antibody

Catalog # AP70140

Product Information

Application	WB, IF, ICC, E
Primary Accession	Q8IZF4
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59000

Additional Information

Gene ID	221188
Other Names	GPR114; PGR27; Probable G-protein coupled receptor 114; G-protein coupled receptor PGR27
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

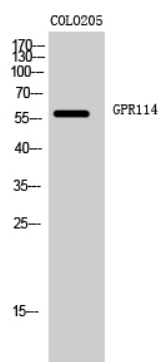
Protein Information

Name	ADGRG5 {ECO:0000303 PubMed:37673336, ECO:0000312 HGNC:HGNC:19010}
Function	Orphan adhesion G protein-coupled receptor (aGPCR) (PubMed: 37673336). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase (PubMed: 37673336). ADGRG5 is specifically coupled to G(s) G proteins and mediates activation of adenylate cyclase activity (PubMed: 37673336).
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:Q3V3Z3}; Multi-pass membrane protein
Tissue Location	Expressed in immune cells. Primarily found in granulocytes. Found in eosinophils.

Background

Adhesion G protein-coupled receptor (GPCR). Transduces intracellular signals through coupling to guanine nucleotide- binding protein G(s) subunit alpha and activation of adenylate cyclase pathway. Isoform 1, but not isoform 2, is constitutively active, as evidenced by elevated basal cAMP levels, and responds to mechanical activation (shaking).

Images



Western Blot analysis of COLO205 cells using GPR114 Polyclonal Antibody

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