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Anti-GPR35 Antibody (Cytoplasmic Domain)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17468

Product Information

Application	IHC-P, ICC
Primary Accession	Q9HC97
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34072
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	2859
Alias Symbol	GPR35
Other Names	GPR35, KYNA receptor, Kynurenic acid receptor, G protein-coupled receptor 35, G-protein coupled receptor 35
Target/Specificity	Human GPR35. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-GPR35 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GPR35
Function	G-protein coupled receptor that binds to several ligands including the tryptophan metabolite kynurenic acid (KYNA), lysophosphatidic acid (LPA) or 5-hydroxyindoleacetic acid (5-HIAA) with high affinity, leading to rapid and transient activation of numerous intracellular signaling pathways (PubMed:16754668, PubMed:20361937, PubMed:35148838). Plays a role in neutrophil recruitment to sites of inflammation and bacterial clearance through the major serotonin metabolite 5-HIAA that acts as a physiological ligand (PubMed:35148838). Stimulates lipid metabolism, thermogenic, and anti- inflammatory gene expression in adipose tissue once activated by kynurenic acid (By similarity). In macrophages, activation by lysophosphatidic acid promotes GPR35-induced signaling with a distinct transcriptional profile characterized by TNF production associated with ERK and NF-kappa-B activation. In turn, induces chemotaxis of macrophages (By similarity).

Cellular Location	Cell membrane; Multi-pass membrane protein. Note=Internalized to the cytoplasm after exposure to kynurenic acid
Tissue Location	Predominantly expressed in immune and gastrointestinal tissues.
Volume	Array