

Anti-GPR35 Antibody (Cytoplasmic Domain)

Rabbit Anti Human Polyclonal Antibody Catalog # ALS17468

Specification

Anti-GPR35 Antibody (Cytoplasmic Domain) - Product Information

Application Primary Accession Predicted Host Clonality Calculated MW Dilution IHC-P, ICC <u>O9HC97</u> Human Rabbit Polyclonal 34072 IHC-P~~N/A ICC~~N/A

Anti-GPR35 Antibody (Cytoplasmic Domain) - 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.

Anti-GPR35 Antibody (Cytoplasmic Domain) - 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: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:<a



href="http://www.uniprot.org/citations/35148838" target="_blank">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.

Anti-GPR35 Antibody (Cytoplasmic Domain) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-GPR35 Antibody (Cytoplasmic Domain) - Images