

Anti-GPR35 Antibody (Cytoplasmic Domain)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17468**Specification**

Anti-GPR35 Antibody (Cytoplasmic Domain) - Product Information

Application	IHC-P, ICC
Primary Accession	O9HC97
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34072

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](http://www.uniprot.org/citations/16754668), PubMed: [20361937](http://www.uniprot.org/citations/20361937), PubMed: [35148838](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-GPR35 Antibody (Cytoplasmic Domain) - Images