

GPR35 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10000**Specification**

GPR35 Antibody (C-Terminus) - Product Information

Application	IHC-P, ICC
Primary Accession	O9HC97
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34kDa KDa
Dilution	IHC-P~~N/A ICC~~N/A

GPR35 Antibody (C-Terminus) - Additional Information**Gene ID** 2859**Other Names**

G-protein coupled receptor 35, Kynurenic acid receptor, KYNA receptor, GPR35

Target/Specificity

Human GPR35. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

GPR35 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR35 Antibody (C-Terminus) - 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.

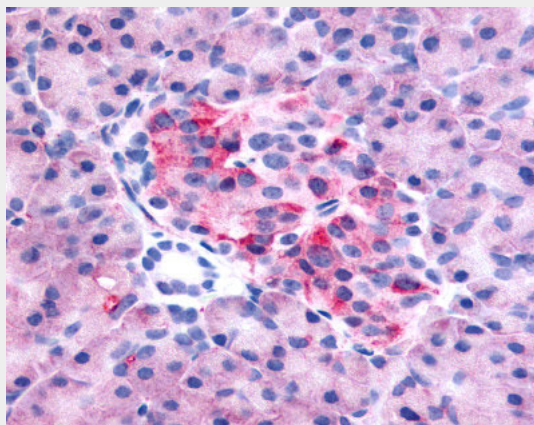
Volume

50 µl

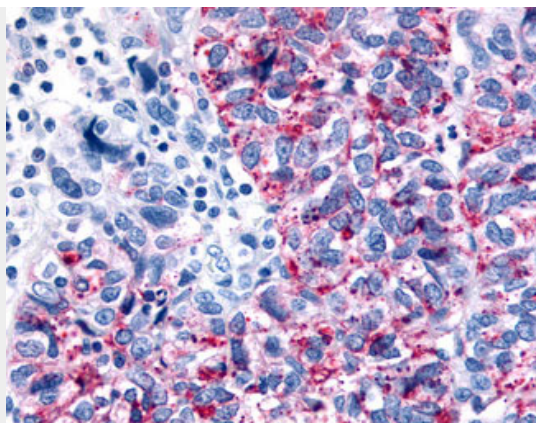
GPR35 Antibody (C-Terminus) - Protocols

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

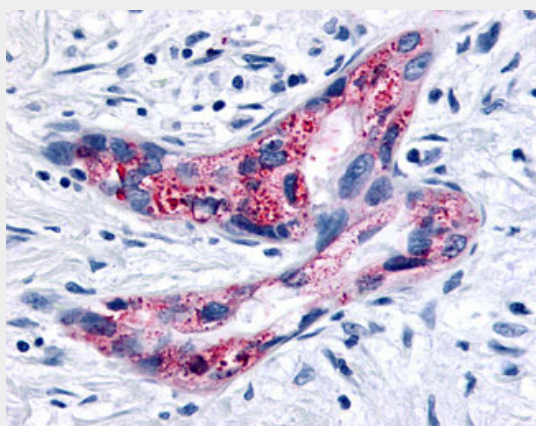
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPR35 Antibody (C-Terminus) - Images

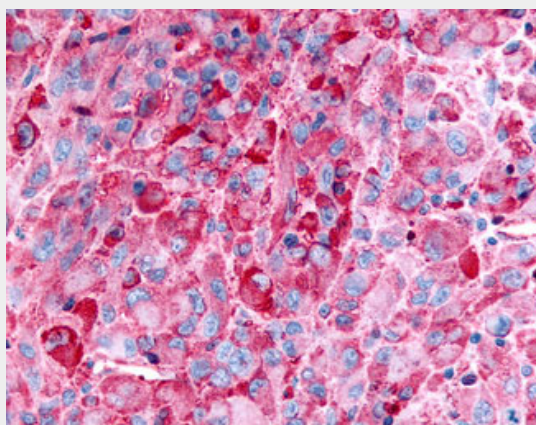
Anti-GPR35 antibody ALS10000 IHC of human pancreas.



Anti-GPR35 antibody IHC of human Ovary, Carcinoma.



Anti-GPR35 antibody IHC of human Pancreas, Carcinoma.



Anti-GPR35 antibody IHC of human Skin, Melanoma.

GPR35 Antibody (C-Terminus) - Background

Acts as a receptor for kynurenic acid, an intermediate in the tryptophan metabolic pathway. The activity of this receptor is mediated by G-proteins that elicit calcium mobilization and inositol phosphate production through G(qi/o) proteins.

GPR35 Antibody (C-Terminus) - References

O'Dowd B.F., et al. Genomics 47:310-313(1998).
Horikawa Y., et al. Nat. Genet. 26:163-175(2000).

Warren C.N.,et al.Submitted (APR-2003) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.