

GPR35 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15134**Specification**

GPR35 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	O9HC97
Other Accession	NM_001195381 , NP_001182310
Reactivity	Human, Horse, Dog
Predicted	Human, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37kDa KDa

GPR35 Antibody - C-terminal region - Additional Information**Gene ID** 2859**Other Names**

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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-GPR35 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

GPR35 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

GPR35 Antibody - C-terminal region - 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

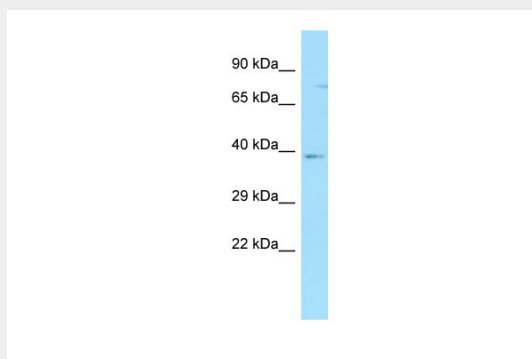
Predominantly expressed in immune and gastrointestinal tissues.

GPR35 Antibody - C-terminal region - 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-terminal region - Images



WB Suggested Anti-GPR35 Antibody Titration: 1.0 µg/ml
Positive Control: MCF7 Whole Cell

GPR35 Antibody - C-terminal region - 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.