

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

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**GPR35 Antibody - C-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">O9HC97</a>
Other Accession	<a href="#">NM_001195381</a> , <a href="#">NP_001182310</a>
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:<a href="http://www.uniprot.org/citations/16754668" target="\_blank">16754668</a>, PubMed:<a href="http://www.uniprot.org/citations/20361937" target="\_blank">20361937</a>, PubMed:<a href="http://www.uniprot.org/citations/35148838" target="\_blank">35148838</a>). 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</a>). 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**

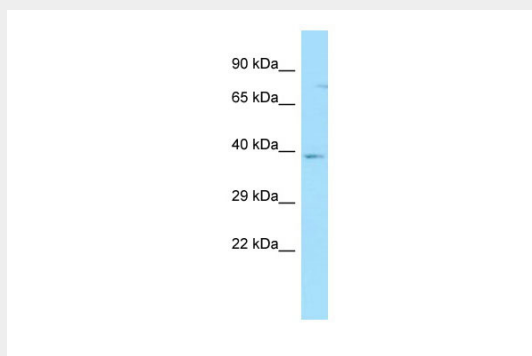
Predominantly expressed in immune and gastrointestinal tissues.

### **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.