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# GPR35 Antibody - C-terminal region

Rabbit Polyclonal Antibody Catalog # AI15134

#### **Product Information**

**Application** WB **Primary Accession 09HC97** 

**Other Accession** NM 001195381, NP 001182310

Reactivity Human, Dog, Horse **Predicted** Human, Dog, Horse

Host Rabbit Clonality Polyclonal **Calculated MW** 34072

### **Additional Information**

Gene ID 2859

**Other Names** G-protein coupled receptor 35, Kynurenic acid receptor, KYNA receptor,

GPR35

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium **Format** 

azide and 2% sucrose.

Add 50 ul of distilled water. Final anti-GPR35 antibody concentration is 1 **Reconstitution & Storage** 

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.

#### **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

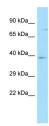
cytoplasm after exposure to kynurenic acid

**Tissue Location** Predominantly expressed in immune and gastrointestinal tissues.

## 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.

# **Images**



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.