

GPR35 Antibody

Catalog No: #62090

Package Size: #62090 100ul

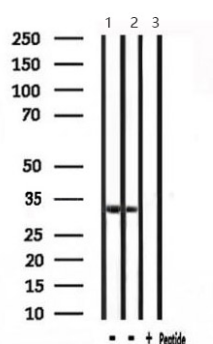
Description

Product Name	GPR35 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink [®] Coupling Resin (Thermo Fisher Scientific).
Applications	WB;IHC;IF
Species Reactivity	Human
Specificity	GPR35 Antibody detects endogenous levels of total GPR35.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human GPR35
Conjugates	Unconjugated
Target Name	GPR35
Calculated MW	34kDa
Concentration	1mg/ml
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

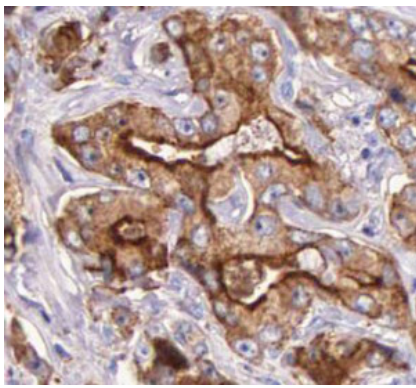
Application Details

WB 1:500-1:1000, IHC 1:50-1:200, IF/ICC 1:100-1:500

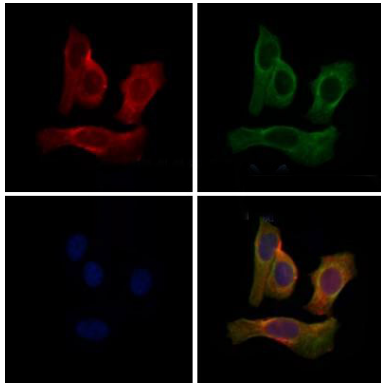
Images



All lanes : GPR35 Antibody at 1/1K dilution
Lane 1 : 293 whole cell lysates
Lane 2 : HepG2 whole cell lysates
Lane 3 : treated with blocking peptide
Lysates/proteins at 20 ug per lane.
Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution
Predicted band size: 34 kDa
Observed band size: 34 kDa
Exposure time: 2 seconds



Formalin-fixed, paraffin-embedded human Prostate tissue stained for GPR35 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/Immunofluorescence-GPR35 antibody staining GPR35 antibody in HeLa cells. The cells were fixed with 4% paraformaldehyde permeabilized with 0.1% Triton X-100. The cells were incubated overnight at 4°C with antibody at a working dilution of 1/200 and Mouse monoclonal to alpha Tubulin - Loading Control. Cells were incubated with Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor 594), pre-adsorbed at 1/1000 dilution (shown in red) and Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor 488), pre-adsorbed at 1/1000 dilution (shown in pseudocolour green). Nuclear DNA was labelled with DAPI (shown in blue).

Background

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).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.