

Rabbit anti-Human, mouse GPR75 Polyclonal Antibody | anti-GPR75 antibody

GPR75 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287226	Rabbit	Human, mouse	Immunofluorescence, ELISA, Western Blot

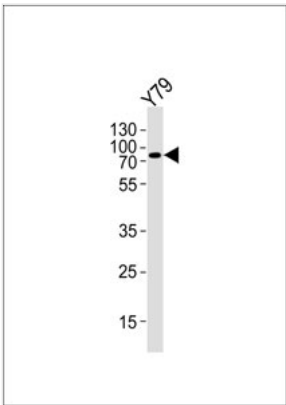
PRODUCT SYNONYMS

GPR75; Polyclonal Antibody; GPR75 Antibody; Probable G-protein coupled receptor 75; anti-GPR75 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Positions	397-426
Sequence Length	540
Applicable Applications for anti-GPR75 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Function	G protein-coupled receptor that is activated by the chemokine CCL5/RANTES. Probably coupled to heterotrimeric Gq proteins, it stimulates inositol trisphosphate production and calcium mobilization upon activation. Together with CCL5/RANTES, may play a role in neuron survival through activation of a downstream signaling pathway involving the PI3, Akt and MAP kinases. CCL5/RANTES may also regulate insulin secretion by pancreatic islet cells through activation of this receptor.
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Expressed at high levels in brain and spinal cord and at detectable levels in retinal pigment epithelium. In situ hybridization of adult eye sections localized transcripts only to the perivascular cells, surrounding retinal arterioles, in the ganglion cell/nerve fiber layer. Also expressed by islet cells (at protein level).
Preparation and Storage	-20°C

IMAGES



WB (Western Blot)
Western blot analysis of lysate from Y79 cell line,using GPR75 Antibody, was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

ADDITIONAL INFORMATION

Related Product Information for anti-GPR75 antibody	Orphan receptor.
Product Categories/Family for anti-GPR75 antibody	Signal Transduction
References	Tarttelin E.E.,et al.Biochem. Biophys. Res. Commun. 260:174-180(1999). Ota T.,et al.Nat. Genet. 36:40-45(2004). Hillier L.W.,et al.Nature 434:724-731(2005). Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803025
NCBI GeneID	10936
NCBI Accession #	NP_006785.1
NCBI GenBank Nucleotide #	NM_006794.3
UniProt Accession #	O95800 ; Q6NWR2 ; B2RC02
Molecular Weight	59 Glycosylation
NCBI Official Full Name	probable G-protein coupled receptor 75
NCBI Official Synonym Full Names	G protein-coupled receptor 75
NCBI Official Symbol	GPR75
NCBI Official Synonym Symbols	GPRchr2; WI31133
NCBI Protein Information	probable G-protein coupled receptor 75
UniProt Protein Name	Probable G-protein coupled receptor 75
UniProt Gene Name	GPR75
UniProt Entry Name	GPR75_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

