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GPR1 Antibody (Cytoplasmic Domain)

Rabbit Polyclonal Antibody
Catalog # ALS10752

Specification

GPR1 Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC-P**
Primary Accession	P46091
Reactivity	**Human, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**41kDa KDa**
Dilution	**IHC-P~~N/A**

GPR1 Antibody (Cytoplasmic Domain) - Additional Information

Gene ID 2825

Other Names
G-protein coupled receptor 1, GPR1

Target/Specificity
Human GPR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except LONRF2 (47%).

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

Precautions
GPR1 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR1 Antibody (Cytoplasmic Domain) - Protein Information

Name CMKLR2 (HGNC:4463)

Function
Receptor for chemoattractant adipokine chemerin/RARRES2 suggesting a role for this receptor in the regulation of inflammation and energy homesotasis (PubMed:18165312, PubMed:27716822). Signals mainly via beta-arrestin pathway. Binding of RARRES2 activates weakly G proteins, calcium mobilization and MAPK1/MAPK3 (ERK1/2) phosphorylation too (PubMed:27716822). Also acts as a receptor for TAFA1, mediates its effects on neuronal stem-cell proliferation and differentiation via the activation of ROCK/ERK and ROCK/STAT3 signaling pathway (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Note=Internalizes in presence of its ligand, TAFA1 (By similarity). Internalizes efficiently in response to RARRES2 (PubMed:27716822) {ECO:0000250|UniProtKB:Q8K087, ECO:0000269|PubMed:27716822}

Tissue Location
Expressed in hippocampus.

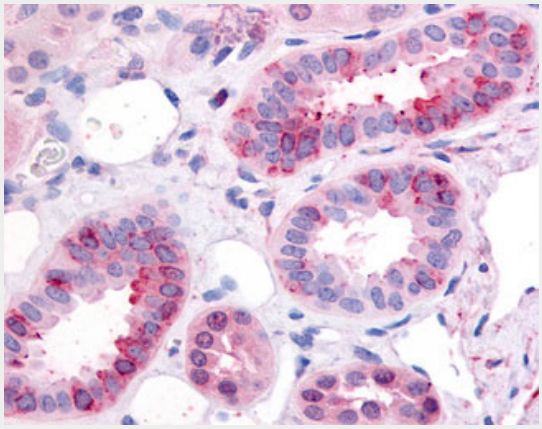
Volume
50 µl

GPR1 Antibody (Cytoplasmic Domain) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GPR1 Antibody (Cytoplasmic Domain) - Images



Anti-GPR1 antibody ALS10752 IHC of human kidney.

GPR1 Antibody (Cytoplasmic Domain) - Background

Receptor for the inflammation-associated leukocyte chemoattractant chemerin/RARRES2 suggesting a role for this receptor in the regulation of inflammation. Can act as a coreceptor for HIV-1.

GPR1 Antibody (Cytoplasmic Domain) - References

Marchese A.,et al.Genomics 23:609-618(1994).
Martin A.L.,et al.Submitted (APR-2007) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Otsuki T.,et al.DNA Res. 12:117-126(2005).
Hillier L.W.,et al.Nature 434:724-731(2005).