

GPR1 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10024**Specification**

GPR1 Antibody (N-Terminus) - Product Information

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

GPR1 Antibody (N-Terminus) - 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.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

GPR1 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR1 Antibody (N-Terminus) - 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, TAF1 (By similarity). Internalizes efficiently in response to RARRES2 (PubMed:27716822) {ECO:0000250|UniProtKB:Q8K087, ECO:0000269|PubMed:27716822}

Tissue Location

Expressed in hippocampus.

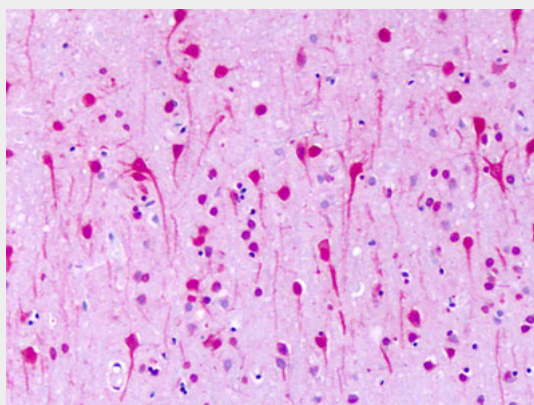
Volume

50 µl

GPR1 Antibody (N-Terminus) - 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](#)

GPR1 Antibody (N-Terminus) - Images

Anti-GPR1 antibody IHC of human brain, neurons.

GPR1 Antibody (N-Terminus) - 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 (N-Terminus) - 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).