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GPR83 Antibody (Cytoplasmic Domain)

Rabbit Polyclonal Antibody

Catalog # ALS10416

Specification

GPR83 Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC**
Primary Accession	Q9NYM4
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**48kDa KDa**

GPR83 Antibody (Cytoplasmic Domain) - Additional Information

Gene ID 10888

Other Names
Probable G-protein coupled receptor 83, G-protein coupled receptor 72, GPR83, GPR72, KIAA1540

Target/Specificity
Human GPR83. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

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

Precautions
GPR83 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR83 Antibody (Cytoplasmic Domain) - Protein Information

Name GPR83 (HGNC:4523)

Function
G-protein coupled receptor for PEN, a neuropeptide produced from the precursor protein, proSAAS (encoded by PCSK1N). Acts through a G(i)- and G(q)-alpha-alpha-mediated pathway in response to PEN (PubMed:27117253). Plays a role in food intake and body weight regulation. May contribute to the regulation of anxiety-related behaviors (By similarity).

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:P30731}; Multi-pass membrane protein.
Note=Colocalizes with GPR171 in the paraventricular nucleus. Colocalizes with the ghrelin receptor GHSR1A in the hypothalamus. {ECO:0000250|UniProtKB:P30731}

Tissue Location

Highly expressed in the brain and spinal cord, and found in lower concentrations in the thymus and other tissues

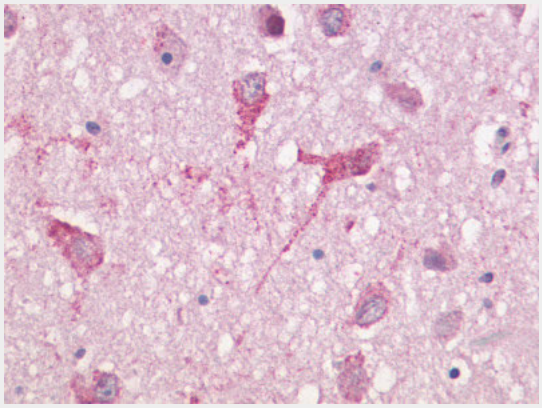
Volume
50 µl

GPR83 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

GPR83 Antibody (Cytoplasmic Domain) - Images



Anti-GPR83 antibody ALS10416 IHC of human brain, neurons and neuropil.

GPR83 Antibody (Cytoplasmic Domain) - Background

Orphan receptor. Could be a neuropeptide Y receptor.

GPR83 Antibody (Cytoplasmic Domain) - References

Parker R.,et al.Biochim. Biophys. Acta 1491:369-375(2000).
Nagase T.,et al.DNA Res. 7:143-150(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
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