

GPR171 Antibody (Cytoplasmic Domain)
Rabbit Polyclonal Antibody
Catalog # ALS10305**Specification**

GPR171 Antibody (Cytoplasmic Domain) - Product Information

Application	IHC-P
Primary Accession	O14626
Reactivity	Human, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37kDa KDa
Dilution	IHC-P~~N/A

GPR171 Antibody (Cytoplasmic Domain) - Additional Information**Gene ID** 29909**Other Names**

Probable G-protein coupled receptor 171, G-protein coupled receptor H963, GPR171, H963

Target/Specificity

Human GPR171. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

GPR171 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR171 Antibody (Cytoplasmic Domain) - Protein Information**Name** GPR171 ([HGNC:30057](#))**Synonyms** H963**Function**

G-protein coupled receptor for Big LEN, a 16-amino acid neuropeptide produced from the precursor protein, proSAAS (encoded by PCSK1N). Acts through a G(i)-alpha-mediated pathway in response to Big LEN. Big LEN-GPR171 system plays an important role in regulating feeding and metabolism. Also plays a role in modulating fear and anxiety-like behaviors in the basolateral amygdala. Big LEN-GPR171 modulates the mu-type opioid receptor signaling and antinociception (By similarity). Acts as a negative regulator T cell function (PubMed:34615877).

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q8BG55}; Multi-pass membrane protein.
Note=Colocalized with GPR83 in the paraventricular nucleus. {ECO:0000250|UniProtKB:Q8BG55}

Tissue Location

Expressed in both T-cell subsets and natural killer cells, while it is undetectable in B cells or CD14(+) monocytes Expressed in peripheral blood mononuclear cells (PBMC) and Jurkat cells (at protein level).

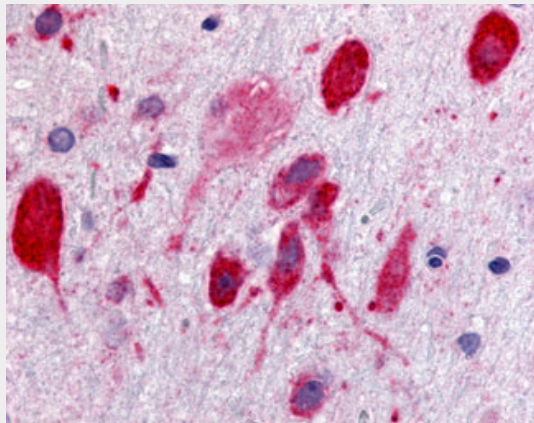
Volume

50 μ l

GPR171 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 Cytometry](#)
- [Cell Culture](#)

GPR171 Antibody (Cytoplasmic Domain) - Images

Anti-GPR171 antibody ALS10305 IHC of rat brain, neurons.

GPR171 Antibody (Cytoplasmic Domain) - Background

Orphan receptor.

GPR171 Antibody (Cytoplasmic Domain) - References

Jacobs K.A., et al. Gene 198:289-296(1997).
Joensuu T., et al. Am. J. Hum. Genet. 69:673-684(2001).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DBJ databases.