

GPR171 Antibody (aa141-190)
Rabbit Polyclonal Antibody
Catalog # ALS15340**Specification**

GPR171 Antibody (aa141-190) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	O14626
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

GPR171 Antibody (aa141-190) - Additional Information**Gene ID** 29909**Other Names**

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

Target/Specificity

GPR171 Antibody detects endogenous levels of total GPR171 protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

GPR171 Antibody (aa141-190) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR171 Antibody (aa141-190) - 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).

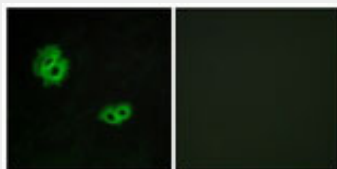
Volume

50 µl

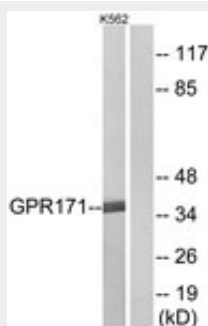
GPR171 Antibody (aa141-190) - Protocols

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

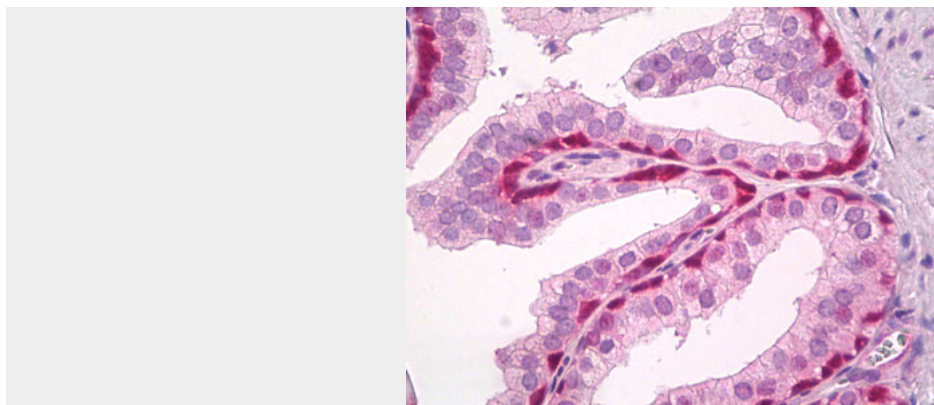
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPR171 Antibody (aa141-190) - Images

Immunofluorescence of MCF7 cells, using GPR171 Antibody.



Western blot of extracts from K562 cells, using GPR171 Antibody.



Anti-GPR171 antibody IHC of human prostate.

GPR171 Antibody (aa141-190) - Background

Orphan receptor.

GPR171 Antibody (aa141-190) - 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/DDBJ databases.