

**Anti-GPR171 Antibody (Extracellular Domain)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS17671****Specification**

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**Anti-GPR171 Antibody (Extracellular Domain) - Product Information**

|                   |                               |
|-------------------|-------------------------------|
| Application       | IHC-P                         |
| Primary Accession | <a href="#">O14626</a>        |
| Predicted         | Human, Rabbit, Monkey, Bovine |
| Host              | Rabbit                        |
| Clonality         | Polyclonal                    |
| Calculated MW     | 36754                         |
| Dilution          | IHC-P~~N/A                    |

**Anti-GPR171 Antibody (Extracellular Domain) - Additional Information****Gene ID** 29909

|                                              |               |
|----------------------------------------------|---------------|
| Alias Symbol                                 | <b>GPR171</b> |
| <b>Other Names</b>                           |               |
| GPR171, H963, G protein-coupled receptor 171 |               |

**Target/Specificity**

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

**Reconstitution & Storage**

Immunoaffinity purified

**Precautions**

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

**Anti-GPR171 Antibody (Extracellular 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:<a href="http://www.uniprot.org/citations/34615877" target="\_blank">34615877</a>).

**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).

**Anti-GPR171 Antibody (Extracellular 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](#)

**Anti-GPR171 Antibody (Extracellular Domain) - Images**