

GPR171 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51953**Specification**

GPR171 Antibody - Product Information

Application	WB, E
Primary Accession	O14626
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37 KDa

GPR171 Antibody - Additional Information**Gene ID** 29909**Other Names**

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

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR171. The exact sequence is proprietary.

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

GPR171 Antibody - 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).

GPR171 Antibody - 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 - Images**GPR171 Antibody - Background**

Orphan receptor.

GPR171 Antibody - 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.