

GPR171 Polyclonal Antibody
Catalog # AP70176**Specification**

GPR171 Polyclonal Antibody - Product Information

Application	WB, IF
Primary Accession	O14626
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

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

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

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.

IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

GPR171 Polyclonal 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}

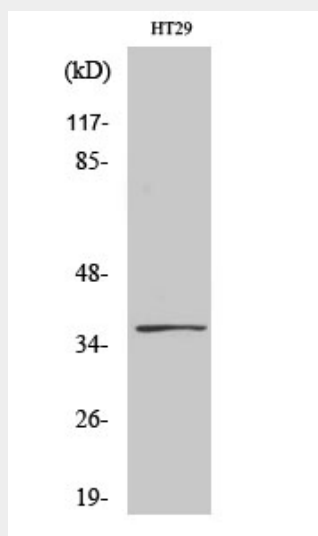
Tissue Location

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 Polyclonal 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 Polyclonal Antibody - Images

Western Blot analysis of various cells using GPR171 Polyclonal Antibody

GPR171 Polyclonal Antibody - Background

Orphan receptor.

GPR171 Polyclonal Antibody - Citations

- [The GPR171 pathway suppresses T cell activation and limits antitumor immunity](#)