

GPR171 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51953

Product Information

Application	WB
Primary Accession	O14626
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36754

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
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

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).
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Background

Orphan receptor.

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.

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