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GPR171 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17026b

Specification

GPR171 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	O14626
Other Accession	NP_037440.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**36754**
Antigen Region	**286-314**

GPR171 Antibody (C-term) - Additional Information

Gene ID 29909

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

Target/Specificity
This GPR171 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 286-314 amino acids from the C-terminal region of human GPR171.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GPR171 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GPR171 Antibody (C-term) - 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}

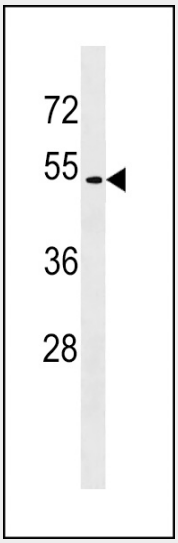
Tissue Location
Expressed in both T-cell subsets and natural killer cells, while it is undetectable in B cells or CD14(+) monocytes Expressed in peripheral blood mononuclear cells (PBMC) and Jurkat cells (at protein level).

GPR171 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GPR171 Antibody (C-term) - Images



GPR171 Antibody (C-term) (Cat. #AP17026b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the GPR171 antibody detected the GPR171 protein (arrow).

GPR171 Antibody (C-term) - Background

GPR171 is orphan receptor.

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GPR171 Antibody (C-term) - References

Joensuu, T., et al. Am. J. Hum. Genet. 69(4):673-684(2001)
Jacobs, K.A., et al. Gene 198 (1-2), 289-296 (1997) :
Adams, M.D., et al. Nature 377 (6547 SUPPL), 3-174 (1995) :