

GPR171 Rabbit pAb

Catalog # AP97121

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q14626
Other Accession	Q14626
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36754
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GPR171/Platelet Activating Receptor H963
Epitope Specificity	121-220/319
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the G-protein coupled receptor 1 family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Platelet Activating Receptor H963 is an orphan receptor that is a member of the Platelet Activating Factor Receptor subfamily. ESTs have been isolated from normal human blood (activated), liver, and testis libraries, and from a human uterine adenocarcinoma library.

Additional Information

Gene ID	29909
Other Names	H963; A630006E05; F730001G15Rik; GP171_BOVIN; GPR171; GP171_HUMAN; G-protein coupled receptor H963; GP171_MOUSE; G protein-coupled receptor 171; platelet activating receptor homolog
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.