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# GPR171 Rabbit pAb

Catalog # AP97121

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF, E |
| **Primary Accession** | O14626 |
| **Other Accession** | O14626 |
| **Predicted** | Rat, Human, Mouse, Dog, Horse, Sheep |
| **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

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| **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

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| **Name** | GPR171 ( HGNC:30057) |

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| **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'.