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# GPR62 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18090a

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | Q9BZJ7 |
| **Other Accession** | NP_543141.3 |
| **Reactivity** | Human |
| **Predicted** | Bovine, Canine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB38263 |
| **Calculated MW** | 37614 |
| **Antigen Region** | 61-87 |

## Additional Information

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| **Gene ID** | 118442 |
| **Other Names** | Probable G-protein coupled receptor 62, G-protein coupled receptor GPCR8, hGPCR8, G-protein coupled receptor KPG_005, GPR62 |
| **Target/Specificity** | This GPR62 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 61-87 amino acids from the N-terminal region of human GPR62. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **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** | GPR62 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | GPR62 |
| **Function** | Orphan G protein-coupled receptor. Constitutively activates the G(q/11)/inositol phosphate and the G(s)-alpha/cAMP signaling pathways |

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| | (PubMed:28827538). Has spontaneous activity for beta-arrestin recruitment (PubMed:28827538). Shows a reciprocal modulation of signaling functions with the melatonin receptor MTNR1B most likely through receptor heteromerization (PubMed:28827538). |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein. Endosome membrane; Multi-pass membrane protein. Note=Colocalizes with ARRB2 in the endosome (PubMed:28827538). |
| **Tissue Location** | Expressed in brain; detected in the basal forebrain, frontal cortex, caudate, putamen, thalamus and hippocampus |

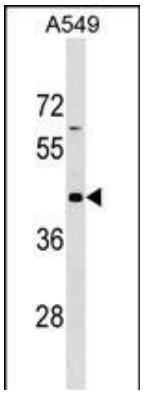
## Background

G protein-coupled receptors (GPCRs, or GPRs) contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins.

## References

Takeda, S., et al. FEBS Lett. 520 (1-3), 97-101 (2002) :
Lee, D.K., et al. Brain Res. Mol. Brain Res. 86 (1-2), 13-22 (2001) :

## Images




GPR62 Antibody (N-term) (Cat. #AP18090a) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the GPR62 antibody detected the GPR62 protein (arrow).

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