

Anti-GPR3 Antibody (N-Terminus)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17538

Product Information

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| Application | IHC-P, E |
| Primary Accession | P46089 |
| Predicted | Human, Monkey |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 35010 |
| Concentration (mg/ml) | 1 mg/ml |

Additional Information

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| Gene ID | 2827 |
| Alias Symbol | GPR3 |
| Other Names | GPR3, ACCA, ACCA orphan receptor, G protein-coupled receptor 3, GPCR3, Hacca, G-protein coupled receptor 3 |
| Target/Specificity | Human GPR3. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except CASKIN2 (53%), INPPL1 (47%). |
| Reconstitution & Storage | Immunoaffinity purified |
| Precautions | Anti-GPR3 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

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| Name | GPR3 |
| Synonyms | ACCA |
| Function | Constitutively active G-protein coupled receptor that maintains high 3'-5'-cyclic adenosine monophosphate (cAMP) levels that plays a role in several processes including meiotic arrest in oocytes or neuronal development via activation of numerous intracellular signaling pathways. Acts as an essential activator of thermogenic adipocytes and drives thermogenesis via its intrinsic G(s)- coupling activity without the requirement of a ligand (PubMed: 34048700). Has a potential role in modulating a number of brain functions, including behavioral responses to stress (By similarity), amyloid-beta peptide generation in neurons (By similarity). Stimulates neurite outgrowth in cerebellar granular neurons modulated via PKA, ERK, and most strongly PI3K-mediated signaling pathways (By similarity). |

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| Cellular Location | Cell membrane; Multi-pass membrane protein. |
| Tissue Location | Expressed predominantly in the central nervous system, and at low levels in the lung, kidney, testis, ovary and eye Highly expressed in regions of the brain implicated in the Alzheimer disease |

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