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Anti-GPR3 Antibody (N-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17538

Product Information

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

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

Name	GPR3
Synonyms	ACCA
Function	Constitutively active G-protein coupled receptor that maintains high 3'-5'-cyclic adenosine monophosphate (cAMP) levels that a plays a role in serveral 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).

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'.