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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 cAMP levels and contributes to several processes, including meiotic arrest in oocytes and neuronal development, through activation of intracellular signaling pathways. Essential activator of thermogenic adipocytes, where it drives thermogenesis via constitutive G(s)-coupling activity in the absence of ligand (PubMed:34048700). May be activated by lipid-derived agonists such as oleoylethanolamide (OEA), oleic acid or sphingosine 1-phosphate leading to activation of the G(s)/cAMP/PKA signaling pathway (PubMed:12220620, PubMed:38376112, PubMed:38287117). Plays a potential role in modulating brain functions, including behavioral responses to stress and amyloid-beta peptide generation in neurons (By similarity). Stimulates neurite outgrowth in

	cerebellar granule neurons via PKA, ERK, and 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'.