10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-GPR3 Antibody (N-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17538

Specification

Anti-GPR3 Antibody (N-Terminus) - Product Information

Application	**IHC-P, E**
Primary Accession	P46089
Predicted	**Human, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**35010**

Anti-GPR3 Antibody (N-Terminus) - 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.

Anti-GPR3 Antibody (N-Terminus) - 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

Anti-GPR3 Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-GPR3 Antibody (N-Terminus) - Images