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GNA11 Antibody(N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19441a

Specification

GNA11 Antibody(N-term) - Product Information

Application	**WB,E**
Primary Accession	P29992
Other Accession	Q9JID2, Q2XSV9, P21278, P38409, NP_002058.2
Reactivity	**Human**
Predicted	**Bovine, Mouse, Pig, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**1-30**

GNA11 Antibody(N-term) - Additional Information

Gene ID 2767

Other Names
Guanine nucleotide-binding protein subunit alpha-11, G alpha-11, G-protein subunit alpha-11, Guanine nucleotide-binding protein G(y) subunit alpha, GNA11, GA11

Target/Specificity
This GNA11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human GNA11.

Dilution
WB~~1:1000

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
GNA11 Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GNA11 Antibody(N-term) - Protein Information

Name GNA11

Synonyms GA11

Function Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems (PubMed:31073061). Acts as an activator of phospholipase C (PubMed:31073061). Transduces FFAR4 signaling in response to long-chain fatty acids (LCFAs) (PubMed:27852822). Together with GNAQ, required for heart development (By similarity).

Cellular Location
Cell membrane; Lipid-anchor. Cytoplasm. Note=In testicular cells, expressed exclusively in the cytoplasm.

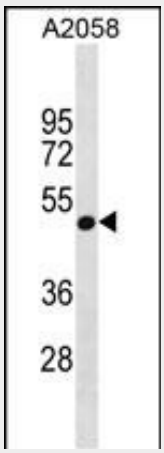
Tissue Location
Expressed in testis..

GNA11 Antibody(N-term) - 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

GNA11 Antibody(N-term) - Images



GNA11 Antibody (N-term) (Cat. #AP19441a) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the GNA11 antibody detected the GNA11 protein (arrow).

GNA11 Antibody(N-term) - Background

Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Acts as an activator of phospholipase C.

GNA11 Antibody(N-term) - References

Shankaranarayanan, A., et al. J. Biol. Chem. 283(50):34923-34934(2008)
Gavard, J., et al. J. Biol. Chem. 283(44):29888-29896(2008)

Luttrell, L.M. Mol. Biotechnol. 39(3):239-264(2008)
Durchankova, D., et al. Physiol Res 57(2):195-203(2008)
Hildebrand, M.E., et al. J. Biol. Chem. 282(29):21043-21055(2007)

GNA11 Antibody(N-term) - Citations

- G Protein α Subunit 14 Mediates Fibroblast Growth Factor 2-Induced Cellular Responses in Human Endothelial Cells.
- GNA11 differentially mediates fibroblast growth factor 2- and vascular endothelial growth factor A-induced cellular responses in human fetoplacental endothelial cells.
- Expression of G-protein subunit α-14 is increased in human placentas from preeclamptic pregnancies.