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GNA15 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10483b

Product Information

Application	WB, E
Primary Accession	P30679
Other Accession	Q9TU29, NP_002059.2
Reactivity	Human, Mouse
Predicted	Rabbit, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24619
Calculated MW	43508
Antigen Region	333-361

Additional Information

Gene ID	2769
Other Names	Guanine nucleotide-binding protein subunit alpha-15, G alpha-15, G-protein subunit alpha-15, Epididymis tissue protein Li 17E, Guanine nucleotide-binding protein subunit alpha-16, G alpha-16, G-protein subunit alpha-16, GNA15, GNA16
Target/Specificity	This GNA15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 333-361 amino acids from the C-terminal region of human GNA15.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	GNA15 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GNA15

Synonyms	GNA16
Function	Member of the G protein alpha subunit family that plays a crucial role in intracellular signaling. Functions as a molecular switch, transducing signals from G protein-coupled receptors (GPCRs) to downstream effectors. In collaboration with the adapter protein TTC1, promotes HRAS activation and ERK1/2 phosphorylation independently of phospholipase Cbeta signaling (PubMed:12748287, PubMed:20639119). Also initiates EMR2-mediated signaling, leading to activation of Akt, MAPK, and NF-kappa-B, which in turn drives macrophage differentiation and inflammatory responses (PubMed:28421075).
Tissue Location	Specifically expressed in hematopoietic cells. Expressed in epididymis (at protein level)

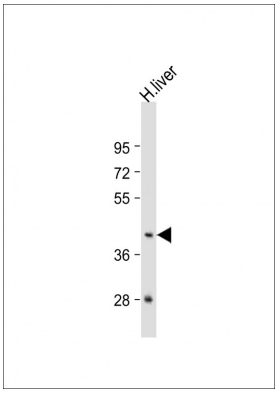
Background

Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems.

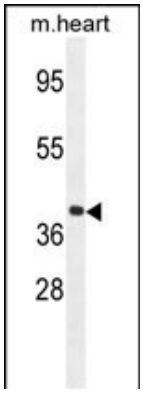
References

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Images



Anti-GNA15 Antibody (C-term) at 1:1000 dilution + human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 44 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



GNA15 Antibody (C-term) (Cat. #AP10483b) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the GNA15 antibody detected the GNA15 protein (arrow).

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