

Gnaq antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13667**Specification**

Gnaq antibody - middle region - Product Information

Application	WB
Primary Accession	P82471
Other Accession	NM_031036 , NP_112298
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Chicken, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39kDa KDa

Gnaq antibody - middle region - Additional Information**Gene ID** 81666**Alias Symbol** **Galphaq****Other Names**

Guanine nucleotide-binding protein G(q) subunit alpha, Guanine nucleotide-binding protein alpha-q, Gnaq

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Gnaq antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Gnaq antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Gnaq antibody - middle region - Protein Information**Name** Gnaq**Function**

Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Required for platelet activation. Regulates B-cell selection and survival and is required to prevent B-cell-dependent autoimmunity. Regulates chemotaxis of BM-derived neutrophils and dendritic cells (in vitro) (By similarity). Transduces FFAR4 signaling in response to long- chain fatty acids (LCFAs) (By similarity). Together with GNA11, required for heart development (By similarity).

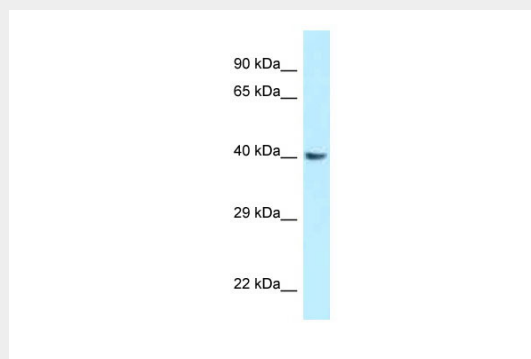
Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P50148}; Lipid-anchor {ECO:0000250|UniProtKB:P50148}. Golgi apparatus {ECO:0000250|UniProtKB:P50148}. Nucleus {ECO:0000250|UniProtKB:P21279} Nucleus membrane {ECO:0000250|UniProtKB:P21279}.
Note=Colocalizes with the adrenergic receptors, ADREN1A and ADREN1B, at the nuclear membrane of cardiac myocytes. {ECO:0000250|UniProtKB:P21279}

Gnaq antibody - middle region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Gnaq antibody - middle region - Images

WB Suggested Anti-Gnaq Antibody Titration: 1.0 µg/ml
Positive Control: Rat Brain

Gnaq antibody - middle region - References

Strotmann R., et al. Submitted (FEB-2000) to the EMBL/GenBank/DDBJ databases.
Lesch K.-P., et al. Biol. Psychiatry 32:549-579(1992).
Thomas C.P., et al. Submitted (JAN-1995) to the EMBL/GenBank/DDBJ databases.