

GNAQ Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15683**Specification**

GNAQ Antibody - Product Information

Application	IHC
Primary Accession	P50148
Reactivity	Human, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42kDa KDa

GNAQ Antibody - Additional Information**Gene ID** 2776**Other Names**

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

Target/Specificity

Human GNAQ

Reconstitution & Storage

Aliquot and freeze at -20° C. Avoid freeze-thaw cycles.

Precautions

GNAQ Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

GNAQ Antibody - Protein Information**Name** GNAQ**Synonyms** GAQ**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) (PubMed:27852822). Together with GNA11, required for heart development (By similarity).

Cellular Location

Cell membrane; Lipid-anchor. Golgi apparatus. 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}

Tissue Location

Predominantly expressed in ovary, prostate, testis and colon. Down-regulated in the peripheral blood lymphocytes (PBLs) of rheumatoid arthritis patients (at protein level)

Volume

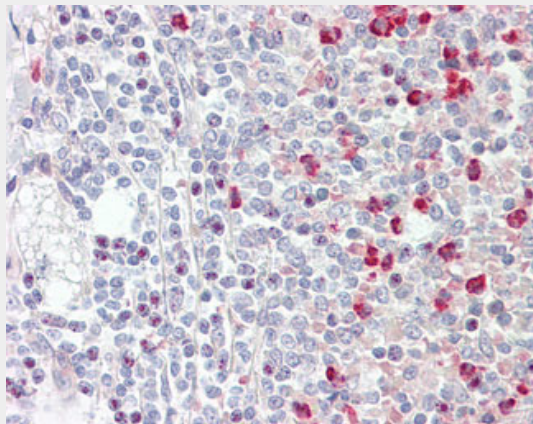
50 µl

GNAQ Antibody - 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 - Images



Anti-GNAQ antibody IHC staining of human spleen.

GNAQ Antibody - Background

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

GNAQ Antibody - References

- Dong Q., et al. *Genomics* 30:470-475(1995).
Chen B., et al. *Biochim. Biophys. Acta* 1281:125-128(1996).
Johnson G.J., et al. *Biochem. J.* 318:1023-1031(1996).
Gabbeta J., et al. *Thromb. Res.* 91:29-32(1998).
Bai X.H., et al. Submitted (JUN-1997) to the EMBL/GenBank/DDBJ databases.

