10320 Camino Santa Fe, Suite G
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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)

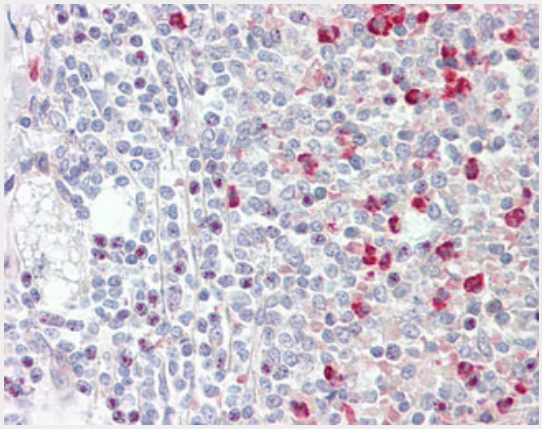
Volume
50 µl

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 Cytomety
- 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.

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