

DNAxPAb

Hard-to-Find
Antibody

GNAQ DNAxPab

Catalog # H00002776-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human GNAQ DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MTLESIMACCLSEEAKEARRINDEIERQLRRDKRDARRELKLLLLGTGESGKSTFIKQMRIIHGSGY SDEDKRGFTKL VYQNIFTAMQAMIRAMDTLKIPYKYEHNKAHAQLVREVDVEKVSFENPYVDAIK SLWNDPGIQECYDRRREYQLSDSTKYLNLDLDRVADPAYLPTQQDVLVRVPPTTGII EYPFDLQSVI FRMVDVGGQRSEERRKWIHCFENVTSIMFLVALSEYDQVLVESDNENRMEESKALFRTIITYPWFQ NSSVILFLNKKDLLEEKIMYSHLVDYFPEYDGPQRDAQAAREFILKMFVDLNPDSDKIYSHFTCAT DTENIRFVFAAVKDTILQLNLKEYNLV
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — GNAQ

Entrez GeneID [2776](#)

GeneBank Accession# [NM_002072.2](#)

Protein Accession# [NP_002063.2](#)

Gene Name GNAQ

Gene Alias G-ALPHA-q, GAQ

Gene Description guanine nucleotide binding protein (G protein), q polypeptide

Omim ID [600998](#)

Gene Ontology [Hyperlink](#)

Gene Summary Guanine nucleotide-binding proteins are a family of heterotrimeric proteins that couple cell surface, 7-transmembrane domain receptors to intracellular signaling pathways. Receptor activation catalyzes the exchange of GTP for GDP bound to the inactive G protein alpha subunit resulting in a conformational change and dissociation of the complex. The G protein alpha and beta-gamma subunits are capable of regulating various cellular effectors. Activation is terminated by a GTPase intrinsic to the G-alpha subunit. G-alpha-q is the alpha subunit of one of the heterotrimeric GTP-binding proteins that mediates stimulation of phospholipase C-beta (MIM 600230).[supplied by OMIM]

Other Designations -

Pathway

- [Calcium signaling pathway](#)
- [Gap junction](#)
- [GnRH signaling pathway](#)
- [Long-term depression](#)
- [Long-term potentiation](#)
- [Melanogenesis](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Conjunctival Neoplasms](#)
- [Melanoma](#)
- [Melanosis](#)
- [Neoplasms](#)
- [Nevus](#)
- [Thyroid Diseases](#)
- [Uveal Neoplasms](#)