

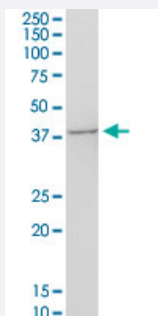
MaxPab®

GNAQ purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00002776-B01P

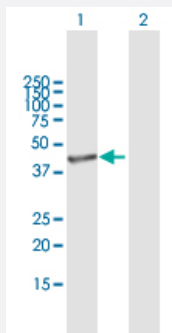
Size 50 ug

Applications



Western Blot (Tissue lysate)

GNAQ MaxPab polyclonal antibody. Western Blot analysis of GNAQ expression in rat brain.



Western Blot (Transfected lysate)

Western Blot analysis of GNAQ expression in transfected 293T cell line ([H00002776-T01](#)) by GNAQ MaxPab polyclonal antibody.

Lane 1: GNAQ transfected lysate(39.6 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human GNAQ protein.

Immunogen

GNAQ (AAH57777, 1 a.a. ~ 359 a.a) full-length human protein.

Sequence

MTLESIMACCLSEEAKEARRINDEIERQLRRDKRDARRELKLLLLGTGESGKSTFIKQMRIIHGSGY
SDEDKRGFTKL VYQNIFTAMQAMIRAMDTLKIPYKYEHNKAAHAQLVREVDVEKVSFAFENPYVDAIK
SLWNDPGIQECYDRRREYQLSDSTKYLLNDLDRVADPAYLPTQQDVLVRVPTTGII EYPFDLQSVI
FRMVDVGGQSRERRKWIHCFENVTSIMFLValseYDQVLVESDNENRMEESKALFRTIITYPWFQ
NSSVILFLNKKDLLEEKIMYSHLVDYFPEYDGPQRDAQAAREFILKMFVDLNPDSDKIYSHFTCAT
DTENIRFVFAAVKDTILQLNLKEYNLV

Host

Mouse

Reactivity	Human, Rat
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 (Tissue lysate)

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — GNAQ

Entrez GeneID	2776
GeneBank Accession#	BC057777
Protein Accession#	AAH57777
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

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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](#)