

Goat GNAQ Polyclonal Antibody | anti-GNAQ antibody

Goat Polyclonal to Human GNAQ

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51428	Goat	Bat, Gibbon, Bovine, Dog, Human, Monkey, Pig, Rabbit, Rat Predicted Reactivity: Mouse, Hamster, Horse (at least 90% immunogen sequence identity)	ELISA, Western Blot, Immunohistochemistry

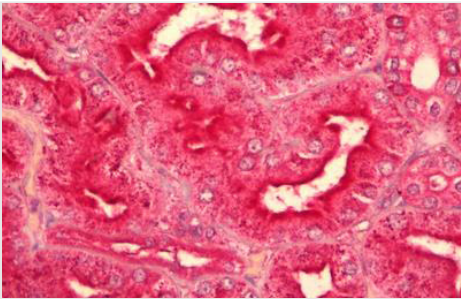
PRODUCT SYNONYMS

GNAQ; Polyclonal Antibody; Goat Polyclonal to Human GNAQ; Anti-GNAQ Antibody (Internal) IHC-plus; G-ALPHA-q; GAQ; Human GNAQ; anti-GNAQ antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Bat, Gibbon, Bovine, Dog, Human, Monkey, Pig, Rabbit, Rat Predicted Reactivity: Mouse, Hamster, Horse (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human GNAQ.
Purity/Purification	Immunoaffinity Purified
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	359
Applicable Applications for anti-GNAQ antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide C-NDLDRVADPAYLPT from an internal region of human GNAQ (NP_002063.2). Percent identity by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Elephant, Panda, Bovine, Bat, Dog, Rabbit, Pig, Opossum (100%).
Immunogen Type	Synthetic peptide
Immunogen	GNAQ antibody was raised against synthetic peptide C-NDLDRVADPAYLPT from an internal region of human GNAQ (NP_002063.2). Percent identity by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Elephant, Panda, Bovine, Bat, Dog, Rabbit, Pig, Opossum (100%); Mouse, Rat, Hamster, Horse, Platypus (93%); Drosophila (86%).
Antigen Modification	Internal
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.





WB (Western Blot)
GNAQ antibody (0.1 ug/ml) staining of Rat Testis lysate (35 ug protein/ml in RIPA buffer).
Primary incubation was 1 hour. Detected by chemiluminescence.

IHC (Immunohistochemistry)
Anti-GNAQ antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-GNAQ antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40254462
NCBI GeneID	2776
NCBI Accession #	NP_002063.2
NCBI GenBank Nucleotide #	NM_002072.4
UniProt Accession #	P50148; O15108; Q13462; Q6NT27; Q92471; Q9BZB9
Molecular Weight	42,142 Da
NCBI Official Full Name	guanine nucleotide-binding protein G(q) subunit alpha
NCBI Official Synonym Full Names	guanine nucleotide binding protein (G protein), q polypeptide
NCBI Official Symbol	GNAQ
NCBI Official Synonym Symbols	GAQ; SWS; CMC1; G-ALPHA-q
NCBI Protein Information	guanine nucleotide-binding protein G(q) subunit alpha; guanine nucleotide-binding protein G(q) subunit alpha; guanine nucleotide-binding protein alpha-q
UniProt Protein Name	Guanine nucleotide-binding protein G(q) subunit alpha
UniProt Gene Name	GNAQ
UniProt Synonym Gene Names	GAQ
UniProt Entry Name	GNAQ_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.