

Datasheet for ABIN2785811
anti-GNAQ antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	GNAQ
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Rabbit, Zebrafish (Danio rerio), Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAQ antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GNAQ
Sequence:	DKRGFTKLVY QNIFTAMQAM IRAMDTLKIP YKYEHNKAHA QLVREVDVEK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against GNAQ. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	GNAQ
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Target Details

Alternative Name:	GNAQ (GNAQ Products)
Background:	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 p Alias Symbols: G-ALPHA-q, GAQ Protein Interaction Partner: AIP, UBC, GNB3, TBXA2R, IQSEC1, CYTH1, CYTH3, PSD, PLCB2, PLCB1, CYTH2, PTGIR, ARF6, WDR36, RIC8A, ADRBK1, ATP4A, NT5C3A, PPT1, LUM, Agtr1a, ADHFE1, CDK19, GNAS, MRGPRX1, F2R, Ric8b, TTC1, CRHR1, RGS18, RGS13, S1PR2, SLC9A3R1, AKAP13, GRM7, GRM4, GRM2, FF Protein Size: 359
Molecular Weight:	42 kDa
Gene ID:	2776
NCBI Accession:	NM_002072 , NP_002063
UniProt:	P50148
Pathways:	JAK-STAT Signaling , Thyroid Hormone Synthesis , Myometrial Relaxation and Contraction

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 359 AA
Restrictions:	For Research Use only

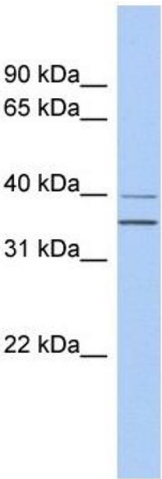
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-GNAQ Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human brain