



[Go to Product page](#)

Datasheet for ABIN2855848

anti-GNAQ antibody (Center)

6 Images

1 Publication

Overview

Quantity:	100 µL
Target:	GNAQ
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GNAQ antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human GNAQ. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Dog (Canine), Pig (Porcine), Cow (Bovine), Rhesus Monkey
Cross-Reactivity (Details):	Dog (100 %), Pig (100 %), Rhesus Monkey (100 %), Bovine (100 %)
Characteristics:	Rabbit polyclonal antibody to GNAQ (guanine nucleotide binding protein (G protein), q polypeptide) GNAQ antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	GNAQ
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 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]
Molecular Weight:	42 kDa
Gene ID:	2776
Pathways:	JAK-STAT Signaling , Thyroid Hormone Synthesis , Myometrial Relaxation and Contraction

Application Details

Application Notes:	Suggested dilution Reference IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:500-1:3000* Not tested in other applications. *Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceIHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:500-1:3000*
Comment:	Positive Control: 3xFlag-human GNAQ-transfected 293T
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris, 0.1M Glycine, 10 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative.
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

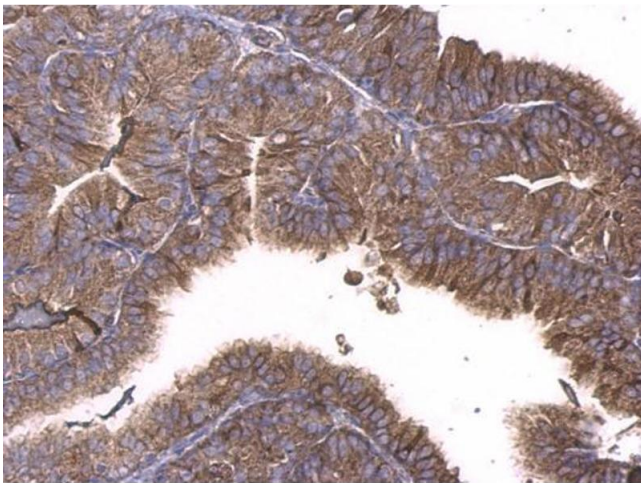
Handling

Storage Comment: Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

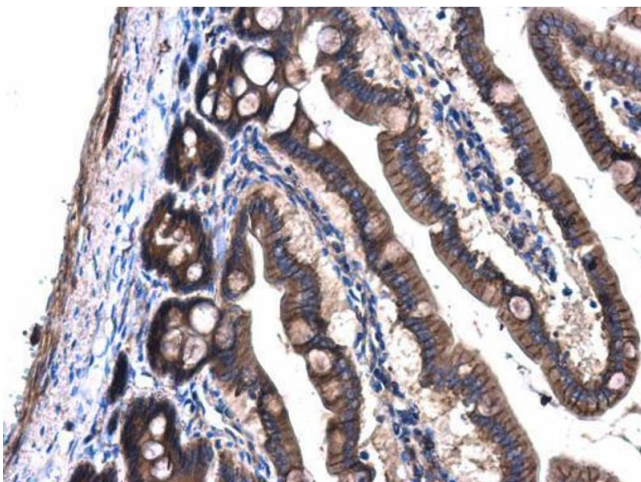
Product cited in: Salzman, Nakamura, Nallur, Dookwah, Metheetrairut, Slack, Weidhaas: "miR-34 activity is modulated through 5'-end phosphorylation in response to DNA damage." in: **Nature communications**, Vol. 7, pp. 10954, (2016) ([PubMed](#)).

Images



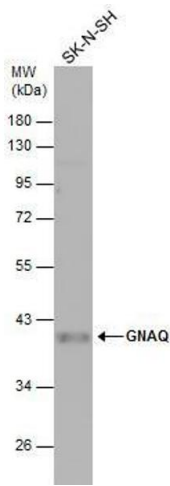
Immunohistochemistry

Image 1. IHC-P Image GNAQ antibody detects GNAQ protein at cytosol on mouse prostate by immunohistochemical analysis. Sample: Paraffin-embedded mouse prostate. GNAQ antibody, dilution: 1:500.



Immunohistochemistry

Image 2. IHC-P Image GNAQ antibody detects GNAQ protein at cell membrane and cytoplasm in rat intestine by immunohistochemical analysis. Sample: Paraffin-embedded rat intestine. GNAQ antibody, diluted at 1:500.



Western Blotting

Image 3. WB Image Whole cell extract (30 μ g) was separated by 10% SDS-PAGE, and the membrane was blotted with GNAQ antibody, diluted at 1:500.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2855848.