

For Research Use Only

# CoraLite® Plus 488-conjugated GNAQ Polyclonal antibody

Catalog Number: CL488-13927

Featured Product



## Basic Information

Catalog Number:

CL488-13927

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4947

GenBank Accession Number:

BC057777

GeneID (NCBI):

2776

UNIPROT ID:

P50148

Full Name:

guanine nucleotide binding protein (G protein), q polypeptide

Calculated MW:

42 kDa

Observed MW:

38-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HEK-293 cells,

## Background Information

GNAQ is a proto-oncogene closely related to the  $\alpha$  subunit of guanine nucleotide-binding proteins (G proteins) that serve as key intermediates between membrane-bound G-protein-coupled receptors (GPCRs) and GPCR signalling nodes. Aberrant expression and activity of G proteins and GPCRs are frequently associated with tumorigenesis. Recent studies show that oncogenic activating mutations in GNAQ are present in 80% of the melanomas. The calculated molecular weight of GNAQ is 42 kDa. This antibody can detect a band of 38-40 kDa in SDS-PAGE. (PMID: 33993733)

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol)  
fixed HEK-293 cells using CoraLite® Plus 488  
GNAQ antibody (CL488-13927) at dilution of 1:50.