

GA_q(Q209P)

Gα_q(Q209P)

Cat. #: 26329

Gene Symbol: GNAQ, CMCI, G-ALPHA-q, GAQ, SWS

Description: Anti-GNAQ(Q209P) Mouse Monoclonal Antibody

Background: GNAQ is a protein that in humans encoded by the GNAQ gene. The GNAQ protein, an alpha subunit in the Gq class, couples a seven-transmembrane domain receptor to activation of phospholipase C-beta. Mutations at this locus have been associated with problems in platelet activation and aggregation.

Immunogen: A synthetic peptide from the internal region of GNAQ which includes the mutation of Q209P, human origin.

Applications: ELISA, WB, IHC

Recommended Dilutions:

ELISA: 1:1000-1:2000

WB: 1:500-1:1000

IHC: 1:50-1:100

Concentration: 1 mg/ml

Host Species: Mouse

Format: Liquid

Clonality: Monoclonal

Isotype: IgG

Purity: Purified from ascites

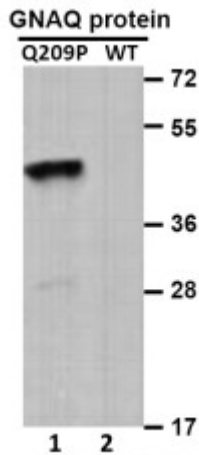
Preservative: No

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes Gα_q(Q209P) mutant, but not wild type GNAQ of vertebrates.

Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

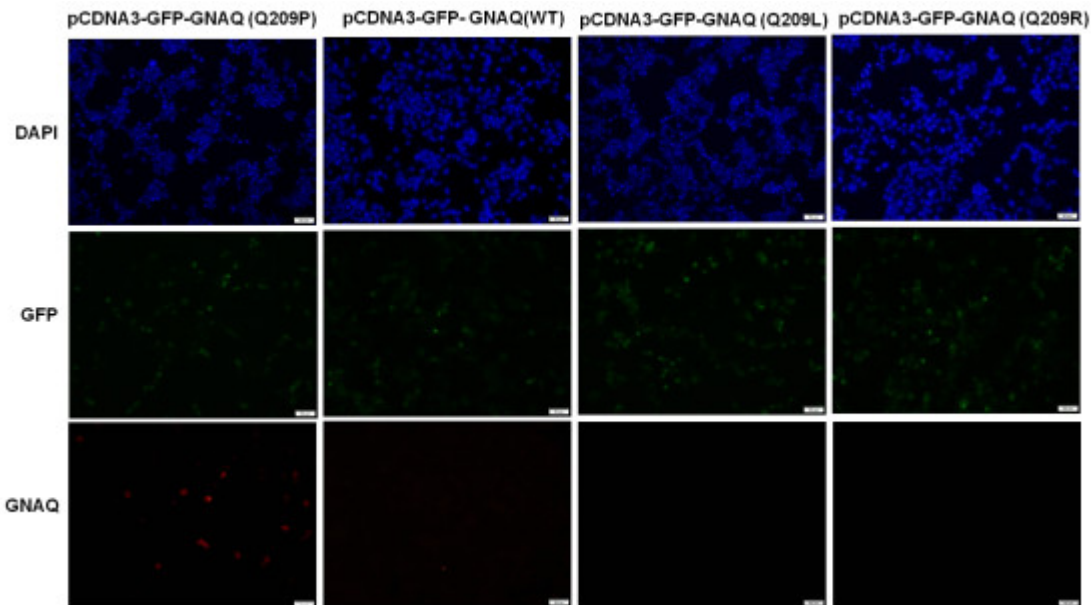
Western blot:



WB: anti-GNAQ (Q209P) mAb

Western blot analysis of recombinant GNAQ(Q209P) and wild type proteins. Purified His-tagged GNAQ(Q209P) protein (lane2) and corresponding wild type protein (lane1) were blotted with Anti-GNAQ(Q209P) monoclonal antibody (Cat. #26329).

Immunofluorescence::



Immunofluorescence of cells expressing GNAQ proteins with Anti-GNAQ(Q209P) antibody.

HEK293T cells were transfected with pCDNA3-GFP-GNAQ(Q209P) plasmid, pCDNA3-GFP-GNAQ (WT) plasmid, pCDNA3-GFP-GNAQ (Q209L) plasmid or pCDNA3-GFP-GNAQ (Q209R) plasmid, then fixed and stained with Anti-GNAQ(Q209P) monoclonal antibody (Cat. #26329).