

GNAQ (Q209R)

Catalog Number: 26330

Gene Symbol: GNAQ, CMC1, G-ALPHA-q, GAQ, SWS

Description: Anti-GNAQ (Q209R) 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 Q209R, human origin.

Tested 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: Mouse

Clonality: Monoclonal

Purity: Purified from ascites

Format: Liquid

Storage buffer:

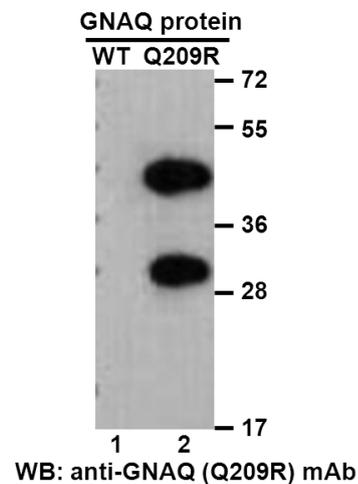
Preservative: no

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

Species Reactivity: Recognizes Q209R mutant, but not wild-type GNAQ of vertebrates.

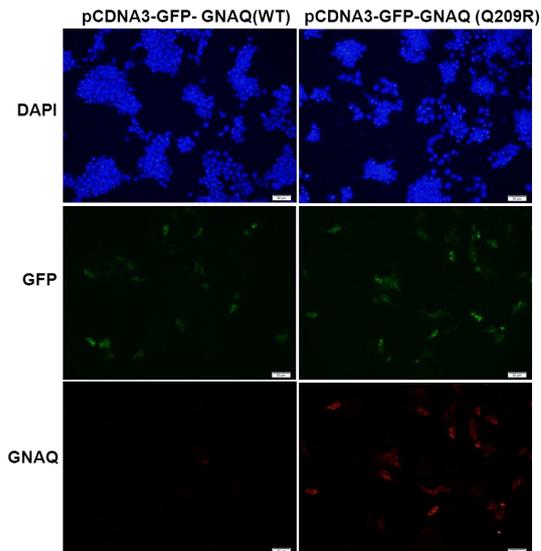
Storage Conditions: Store at -20°C. Avoid freeze / thaw cycles.

Western blot:



Western blot analysis of recombinant GNAQ (Q209R) and wildtype proteins. Purified His-tagged GNAQ (Q209R) protein (lane2) and corresponding wild-type protein (lane1) were blotted with anti-GNAQ (Q209R) monoclonal antibody (Cat. #26330).

Immunofluorescence:



Immunofluorescence of cells expressing GNAQ proteins with anti-GNAQ (Q209R) antibody. HEK293T cells were transfected with pCDNA3-GFP-GNAQ (WT) plasmid (left column) or pCDNA3-GFP-GNAQ (Q209R) plasmid (right column), then fixed and stained with anti-GNAQ (Q209R) monoclonal antibody (Cat. #26330).