

GNAQ(Q209L)

Catalog Number: 26328

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

Description: Anti-GNAQ(Q209L) 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 Q209L, human origin.

Tested Applications: ELISA, WB, IF, IHC

Recommended Dilutions:

ELISA:	1:1000-1:2000
WB:	1:500-1:1000
IF:	1:50-1:100
IHC:	1:50-1:100

Concentration: 1.0 mg/ml

Host: Mouse

Clonality: Monoclonal

Isotype: IgG

Purity: Purified from ascites

Format: Liquid

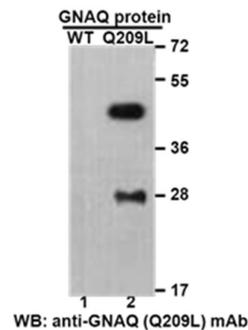
Preservative: No

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes GNAQ(Q209L), but not wild type GNAQ protein from vertebrates.

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

Western blot:

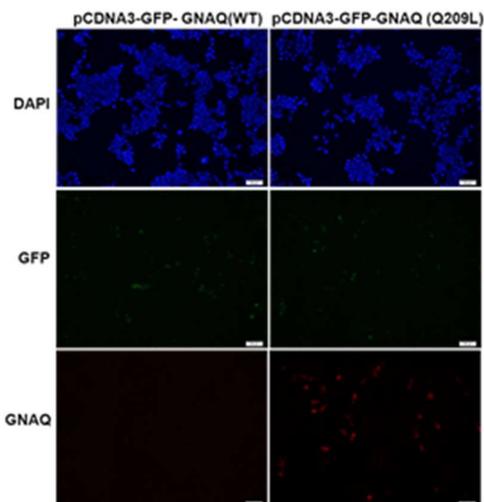


Western blot analysis of recombinant GNAQ (Q209L) and wild type proteins.

Purified His-tagged GNAQ (Q209L) protein (lane2) and corresponding wild type protein (lane1) were blotted with anti-GNAQ (Q209L) monoclonal antibody (Cat. # 26328).

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Immunofluorescence:



Immunofluorescence of cells expressing GNAQ proteins with anti-GNAQ (Q209L) antibody.

HEK293T cells were transfected with pCDNA3-GFP-GNAQ (WT) plasmid (left column) or pCDNA3-GFP-GNAQ (Q209L) plasmid (right column), then fixed and stained with anti-GNAQ (Q209L) monoclonal antibody (Cat. # 26328).

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