

## GNAQ(Q209P)

**Catalog Number:** 26329

**Gene Symbol:** GNAQ, CMC1, 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.

**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

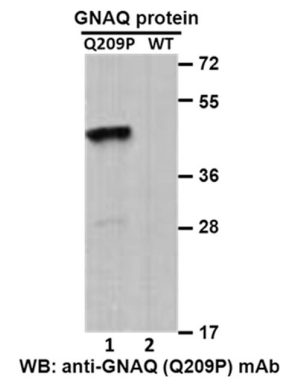
**Preservative:** No

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Recognizes GNAQ(Q209P), but not wild type GNAQ protein from vertebrates.

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

**Western blot:**

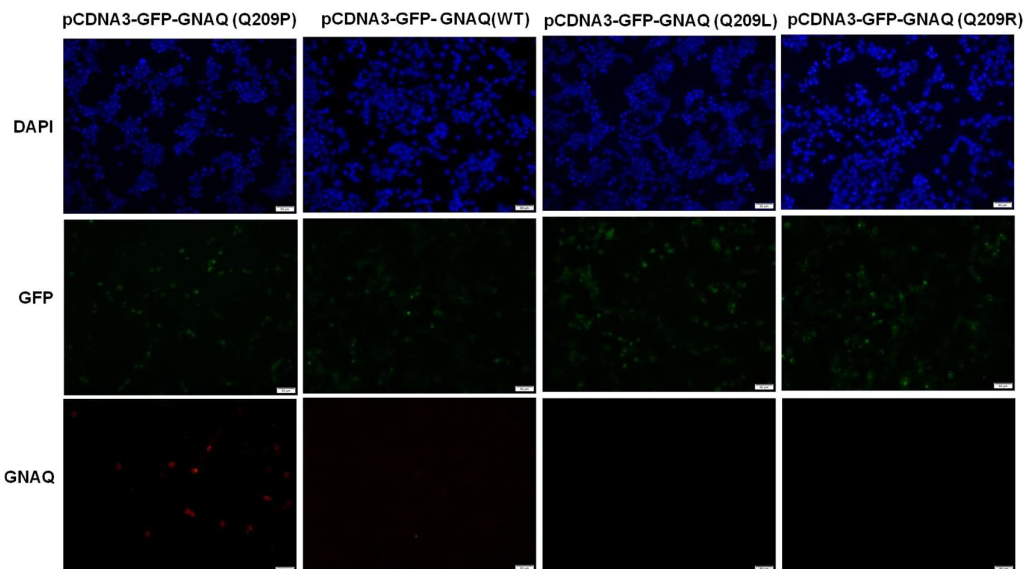


**Western blot analysis of recombinant GNAQ (Q209P) and wild type proteins.**

Purified His-tagged GNAQ (Q209P) protein (lane2) and corresponding wild type protein (lane1) were blotted with anti-GNAQ (Q209P) monoclonal antibody (Cat. # 26329).

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**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).

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