

## GAQ MAB

### Gα<sub>q</sub>(Q209P)

**Cat. #:** 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.

**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

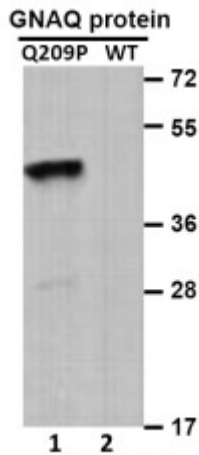
**Preservative:** No

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Recognizes Gα<sub>q</sub>(Q209P) mutant, but not wild type GNAQ of vertebrates.

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

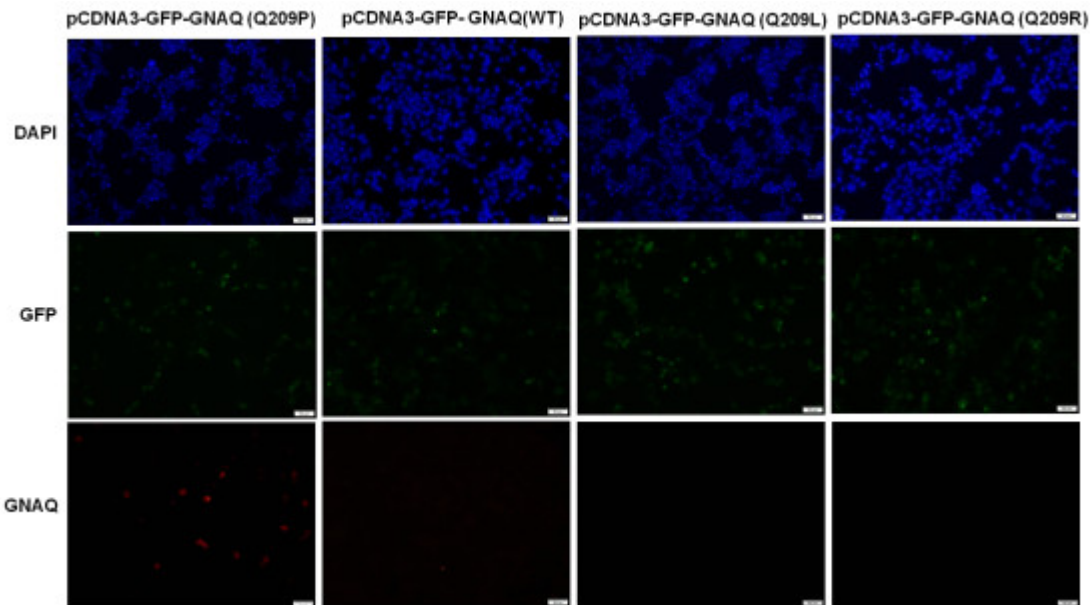
## Western blot:



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).