

## GA<sub>q</sub>(Q209R)

### Gα<sub>q</sub>(Q209R)

**Cat. #:** 26330

**Gene Symbol:** GNAQ, CMCI, 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.

**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

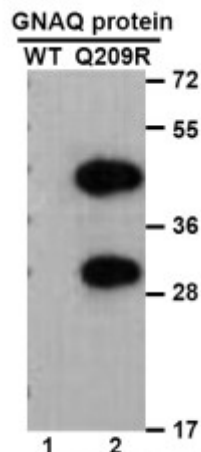
**Purity:** Purified from ascites

**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 Q209R mutant, but not wild type GNAQ of vertebrates.

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

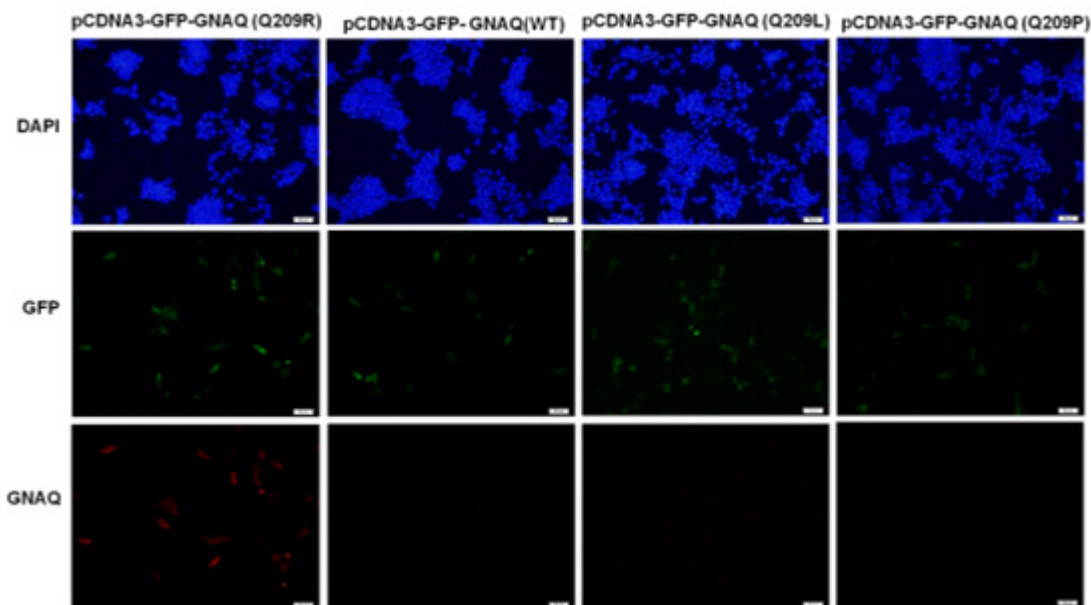


**Western blot:** WB: anti-GNAQ (Q209R) mAb

### Western blot analysis of recombinant GNAQ(Q209R) and wild type 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(Q209R) plasmid, pCDNA3-GFP-GNAQ (WT) plasmid, pCDNA3-GFP-GNAQ (Q209L) plasmid or pCDNA3-GFP-GNAQ (Q209P) plasmid, then fixed and stained with Anti-GNAQ(Q209R) monoclonal antibody (Cat. #26330).