

GA_q(Q209P)**Gα_q(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:**

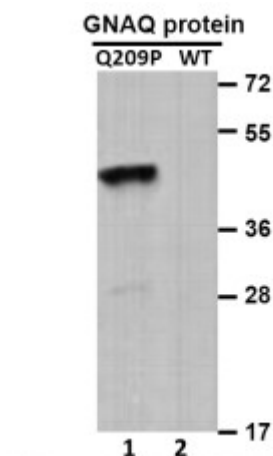
ELISA: 1:1000-1:2000

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 Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 50% glycerol**Species Reactivity:** Recognizes Gα_q(Q209P) mutant, but not wild type GNAQ of vertebrates.**Storage Conditions:** Store at -20°C. Avoid repeated freezing and thawing

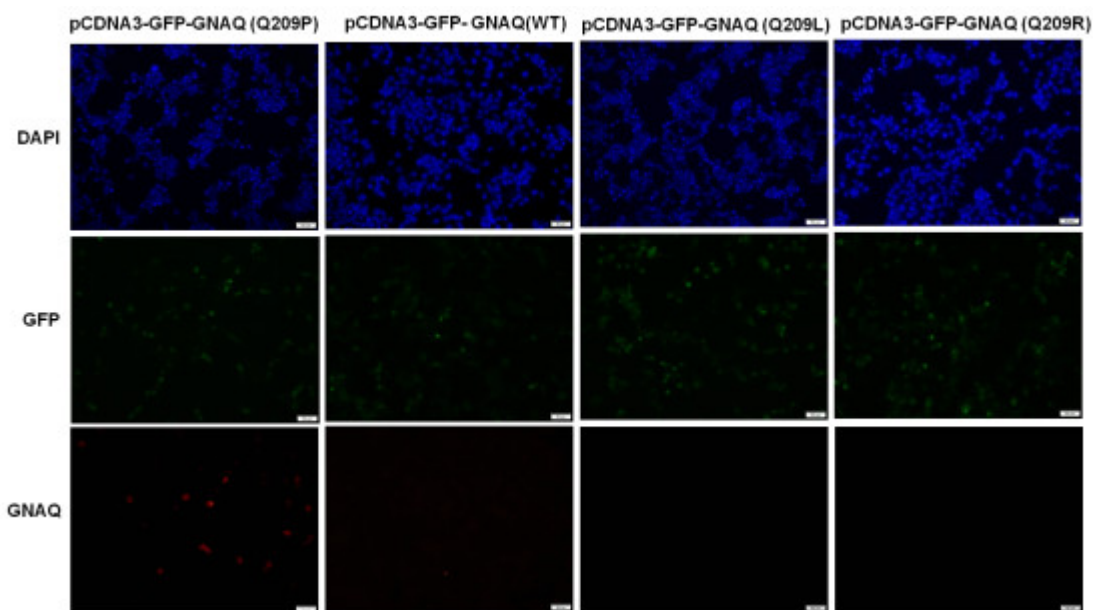
Western blot:



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).