Wuhan NewEast Biosciences Co.Ltd

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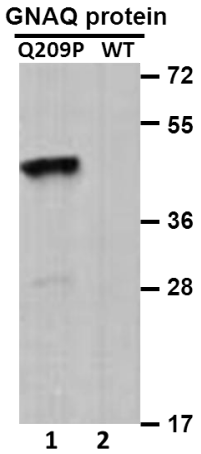
GNAQ (Q209P)

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, IHC
Recommended dilutions:
ELISA: 1:1000-1:2000
WB: 1:500-1:1000
IHC: 1:50-1:100
Concentration: 1 mg/ml
Host: Mouse
Clonality: Monoclonal
Purity: Purified from ascites
Format: Liquid
Storage buffer:
Preservative: no
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol
Species Reactivity: Recognizes Q209P mutant, but not wild-type GNAQ of vertebrates.
Storage Conditions: Store at -20°C. Avoid freeze / thaw cycles.

Western blot:



WB: anti-GNAQ (Q209P) mAb

Western blot analysis of recombinant GNAQ (Q209P) and wildtype 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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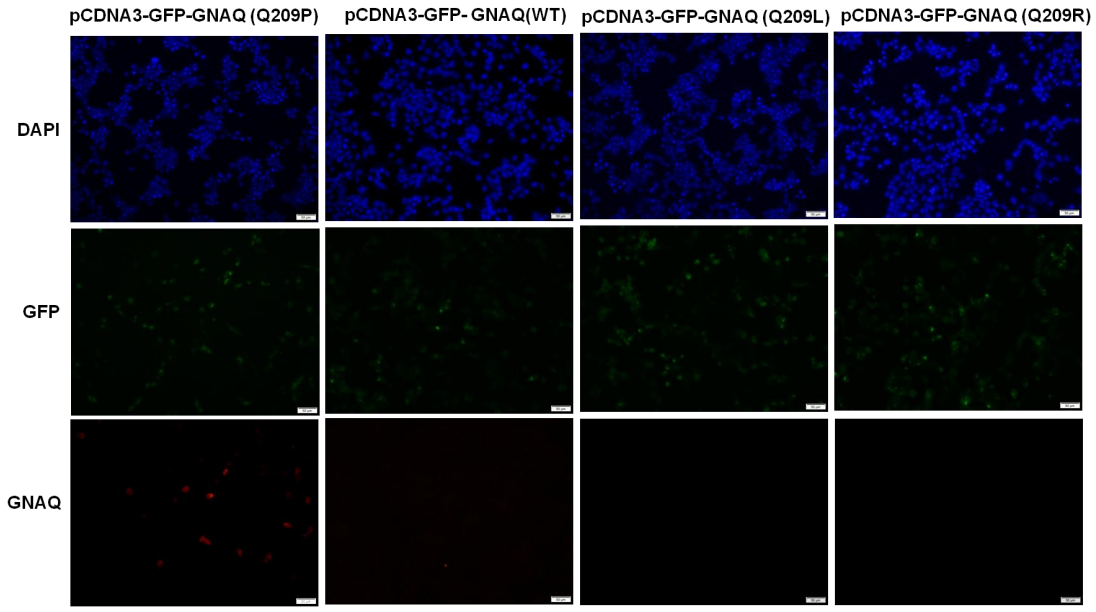
Immunofluorescence:



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).