

PIK3CA (Q546K)

Catalog Number: 26138

Gene Symbol: PIK3CA

Description: Anti-PIK3CA (Q546K) Mouse Monoclonal Antibody

Background: Phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha isoform.

Phosphorylates PtdIns, PtdIns4P and PtdIns(4,5)P2 with a preference for PtdIns(4,5)P2. Belongs to the PI3/PI4-kinase family. Located to cytosol, lamellipodium and phosphatidylinositol 3-kinase complex.

Immunogen: A synthetic peptide from the internal region of PIK3CA (Q546K) of human origin.

Tested applications: ELISA, WB, IHC

Recommended dilutions:

ELISA: 1:1000-1:5000

WB: 1:100-1:1000

IHC: 1:50-1:100

Concentration: 0.2 mg/ml

Host: Mouse

Clonality: Monoclonal

Purity: Purified from ascites

Format: Liquid

Storage buffer:

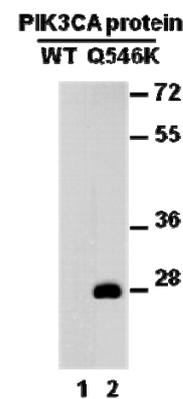
Preservative: no

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: recognizes Q546K mutant, but not wildtype PIK3CA of vertebrates.

Storage Conditions: Store at -20°C. Avoid freeze / thaw cycles

Western blot:



WB: anti-PIK3CA(Q546K) mAb

Western blot analysis of PIK3CA wild type and Q546K proteins. Equal amount of purified PIK3CA (Q546K)(amino acids 461-640) and corresponding wild type proteins were loaded and blotted with anti- PIK3CA (Q546K) mouse monoclonal antibody(Cat. # 26138).