

PIK3CA(Q546K)

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Cat. #: 26138

Size: 100 µL

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.

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 Species: Mouse

Format: Liquid

Clonality: Monoclonal

Isotype:

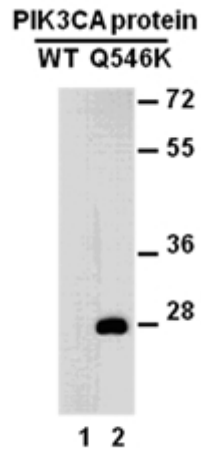
Purity: Purified from ascites

Preservative: No

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

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

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



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).