

## Product Description

### 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)P<sub>2</sub> with a preference for PtdIns(4,5)P<sub>2</sub>. 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

**Isotype:** IgG

**Purity:** Purified from ascites

**Format:** Liquid

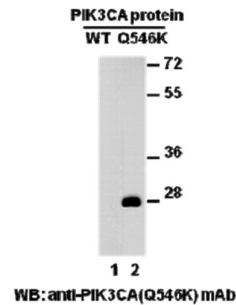
**Preservative:** No

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Anti-PIK3CA(Q546K) antibody recognizes PIK3CA(Q546K) of vertebrates, but not the wildtype PIK3CA

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

### Western blot:



### 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).

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