

## PIK3CA(G1049S)

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**Cat. #:** 26219

**Size:** 100  $\mu$ L

**Gene Symbol:** PIK3CA, CLOVE, CWS5, MCAP, MCM, MCMTTC, PI3K, p110-alpha

**Description:** Anti-PIK3CA(G1049S) Mouse Monoclonal Antibody

**Background:** Phosphatidyl 3-kinases (PI3K) are a family of lipid kinases involved in many cellular processes, including cell growth, proliferation, differentiation, motility, and survival. It is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. Mutants of PIK3CA has been found in the pathogenesis of several cancers, including colon cancer, gliomas, gastric cancer, breast cancer, endometrial cancer, and lung cancer.

**Immunogen:** A synthetic peptide from the internal region of PIK3CA which includes the mutation of G1049S, human origin.

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:**

ELISA: 1:1000-1:5000

WB: 1:500-1:2000

**Concentration:** 1 mg/ml

**Host Species:** Mouse

**Format:** Liquid

**Clonality:** Monoclonal

**Isotype:** IgG

**Purity:** Purified from ascites

**Preservative:** No

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 50% glycerol

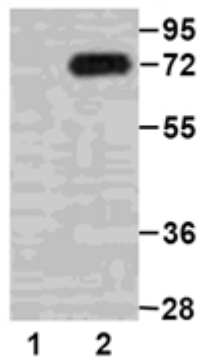
**Species Reactivity:** Recognizes G1049S mutant, but not wild type PIK3CA of vertebrates.

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

## Western blot:

PIK3CA protein

WT G1049S



**WB: Anti-PIK3CA(G1049S) mAb** Western blot analysis of recombinant PIK3CA(G1049S) and wild type proteins. Purified His-tagged PIK3CA(G1049S) protein (lane 2) and corresponding wild type protein (lane 1) were blotted with Anti-PIK3CA(G1049S) monoclonal antibody (Cat. #26219).