

PIK3CA(G1049S)**PIK3CA(G1049S)****Cat. #:** 26219**Size:** 100 µL**Gene Symbol:** PIK3CA, CLOVE, CWS5, MCAP, MCM, MCMTC, PI3K, p110- α **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

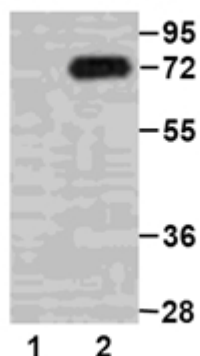
WB: 1:500–1:2000

Concentration: 1 mg/ml**Host Species:** Mouse**Format:** Liquid**Clonality:** Monoclonal**Isotype:** IgG**Purity:** Purified from ascites**Preservative:** No**Constituents:** PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol**Species Reactivity:** Recognizes G1049S mutant, but not wild type PIK3CA of vertebrates.**Storage Conditions:** Store at $-20^{\circ}C$. 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).