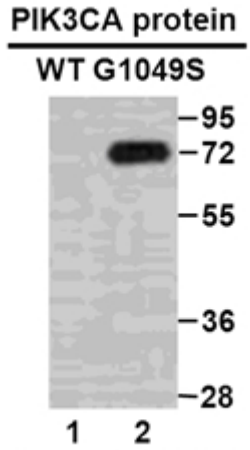
PIK3CA(G1049S)

PIK3CA(G1049S)

Cat. #: 26219
Size: 100 µL
Gene Symbol: PIK3CA, CLOVE, CWS5, MCAP, MCM, MCMTC, 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 Mg2+ and Ca2+), 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

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

Western blot:



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).

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS