

**PIK3CA(E542Q)**

产品名称: PIK3CA(E542Q) 小鼠单抗

货号: 26210

规格: 100  $\mu$ L

基因符号: PIK3CA, CLOVE, CWS5, MCAP, MCM, MCMTC, PI3K, p110- $\alpha$

描述: PIK3CA(E542Q) 小鼠单抗

背景: 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.

免疫原: A synthetic peptide from the internal region of PIK3CA which includes the mutation of E542Q, human origin.

经过测试的应用: ELISA, WB, IHC

推荐稀释比: ELISA: 1:1000-1:5000WB: 1:500-1:1000IHC: 1:50-1:100

**Concentration:** 1 mg/ml

种属反应性: Mouse

形式: Liquid

克隆性: Monoclonal

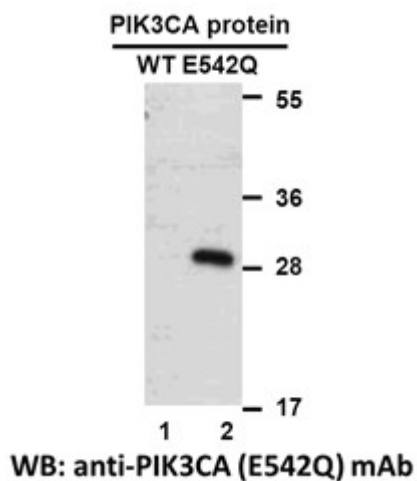
亚型: IgG

纯化: Purified from ascites

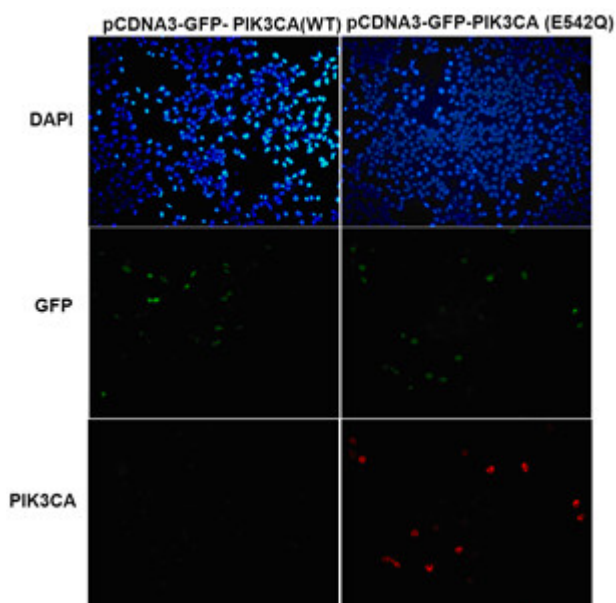
成分: PBS (without  $Mg^{2+}$  and  $Ca^{2+}$ ), pH 7.4, 150 mM NaCl, 50% glycerol

种属反应性: Recognizes E542Q mutant, but not wild type PIK3CA of vertebrates.

储存条件: Store at  $-20^{\circ}C$ . Avoid repeated freezing and thawing



**蛋白质印迹:** Western blot analysis of recombinant PIK3CA(E542Q) and wild type proteins. Purified His-tagged PIK3CA(E542Q) protein (lane 2) and corresponding wild type protein (lane 1) were blotted with Anti-PIK3CA(E542Q) monoclonal antibody (货号:26210).



**Immunofluorescence:** Immunofluorescence of cells expressing PIK3CA proteins with Anti-PIK3CA(E542Q) antibody. HEK293T cells were transfected with pCDNA3-GFP-PIK3CA (WT) plasmid (left column) or pCDNA3-GFP-PIK3CA(E542Q) plasmid (right column), then fixed and stained with Anti-PIK3CA(E542Q) monoclonal antibody (货号:26210).