

## PIK3CA(E545G)

### PIK3CA(E545G)

货号: 26208

规格: 100 µL

基因符号: PIK3CA, CLOVE, CWS5, MCAP, MCM, MCMTc, PI3K, p110-α

描述: PIK3CA(E545G) 小鼠单克隆抗体

背景: Phosphatidylinositol 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 E545G, human origin.

经过测试的应用: ELISA, WB, IHC

推荐稀释度:

ELISA: 1:1000-1:5000

WB: 1:500-1:1000

IHC: 1:50-1:100

浓度: 1 mg/ml

种属反应性: Mouse

形式: Liquid

克隆性: Monoclonal

亚型: IgG

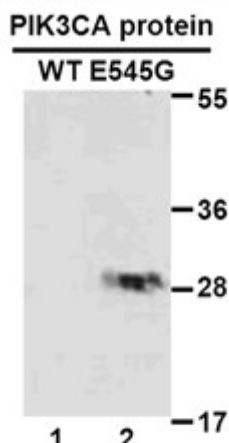
纯化: Purified from ascites

**Preservative:** No

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

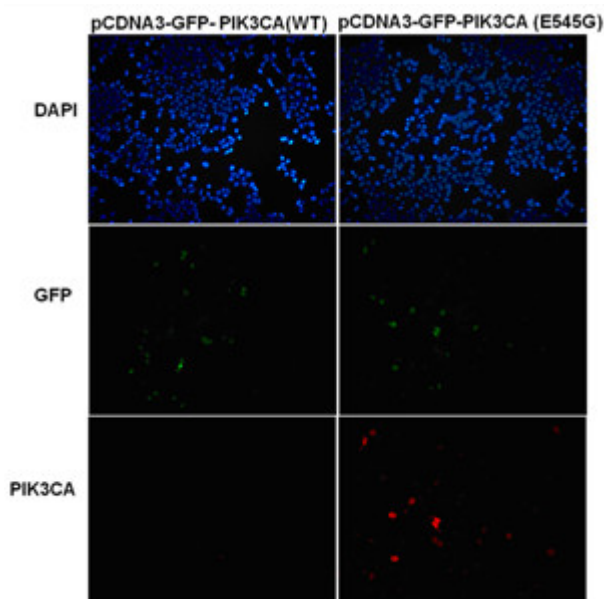
种属反应性: Recognizes E545G mutant, but not wild type PIK3CA of vertebrates.

储存条件: Store at -20°C. Avoid repeated freezing and thawing



**Western blot:** WB: anti-PIK3CA (E545G) mAb

Western blot analysis of recombinant PIK3CA(E545G) and wild type proteins. Purified His-tagged PIK3CA(E545G) protein (lane 2) and corresponding wild type protein (lane 1) were blotted with PIK3CA(E545G) monoclonal antibody (货号26208).



**Immunofluorescence:**

Immunofluorescence of cells expressing PIK3CA proteins with PIK3CA(E545G) antibody. HEK293T cells were transfected with pCDNA3-GFP-PIK3CA (WT) plasmid (left column) or pCDNA3-GFP-PIK3CA(E545G) plasmid (right column), then fixed and stained with PIK3CA(E545G) monoclonal antibody (货号26208).