

PIK3CA(E545K)

Catalog Number: 21145

Gene Symbol: PIK3CA(E545K)

Description: Anti-PIK3CA(E545K) Rabbit Polyclonal Antibody

Background: Phosphatidylinositol 3-kinase is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. The catalytic subunit is encoded by the PIK3CA gene. It phosphorylates PtdIns, PtdIns4P and PtdIns(4,5)P₂. The PIK3CA gene is one of the most frequently mutated genes in human cancers.

Immunogen: A synthetic peptide from the internal region of PIK3CA(E545K) of human origin.

Tested applications: ELISA, WB, IHC, IP

Recommended dilutions:

ELISA: 1:1000-1:5000

WB: 1:100-1:1000

IHC: 1:10-1:100

Concentration: 0.2 mg/ml

Host: Rabbit

Clonality: Polyclonal

Purity: Purified from serum

Format: Liquid

Storage buffer:

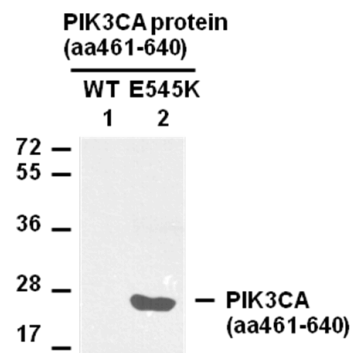
Preservative: no

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Anti-PIK3CA(E545K) antibody recognizes PIK3CA(E545K) of vertebrates.

Storage Conditions: Store at -20°C. Avoid freeze / thaw cycles

Western blot:



WB: anti-PIK3CA(E545K) pAb

Western blot analysis of PIK3CA wild type and E545K proteins. Equal amounts of purified PIK3CA(E545K)(amino acids 461-640) and corresponding wild type proteins were loaded and blotted with anti-PIK3CA(E545K) rabbit polyclonal antibody (Cat. # 21145).