

## PIK3CA(E545K) PAB

### PIK3CA(E545K) Polyclonal Antibody

**Cat. #:** 21145

**Size:** 100 µL

**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.

**Applications:** ELISA, WB, IHC, IP

**Recommended Dilutions:**

ELISA: 1:100–1:5000

WB: 1:100–1:1000

IHC: 1:10–1:100

**Concentration:** 0.2 mg/ml

**Host Species:** Rabbit

**Format:** Liquid

**Clonality:** Polyclonal

**Purity:** Purified from serum

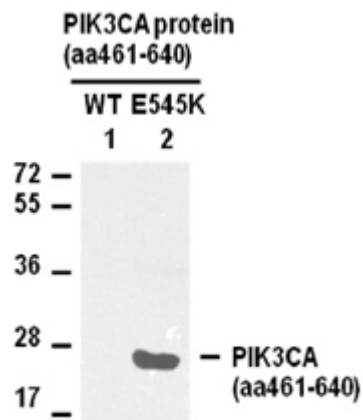
**Preservative:** No

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), 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 repeated freezing and thawing

## 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).