

## 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)P<sub>2</sub>. 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:**

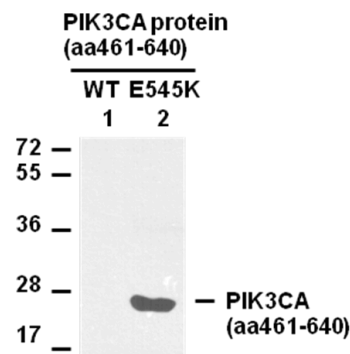
Preservative: no

Constituents: PBS (without 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 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).

For research use only. Not for diagnostic or therapeutic applications.

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