

## PIK3CG RABBIT PAB

**Cat.#:** S220809

**Product Name:** Anti-PIK3CG Rabbit Polyclonal Antibody

**Synonyms:** PI3K; PIK3; PI3CG; PI3Kgamma; p110gamma; p120-PI3K

**UNIPROT ID:** P48736 (Gene Accession - NP\_002640 )

**Background:** This gene encodes a protein that belongs to the pi3/pi4-kinase family of proteins. The gene product is an enzyme that phosphorylates phosphoinositides on the 3-hydroxyl group of the inositol ring. It is an important modulator of extracellular signals, including those elicited by E-cadherin-mediated cell-cell adhesion, which plays an important role in maintenance of the structural and functional integrity of epithelia. In addition to its role in promoting assembly of adherens junctions, the protein is thought to play a pivotal role in the regulation of cytotoxicity in NK cells.

**Immunogen:** Synthetic peptide of human PIK3CG

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 50-200; ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

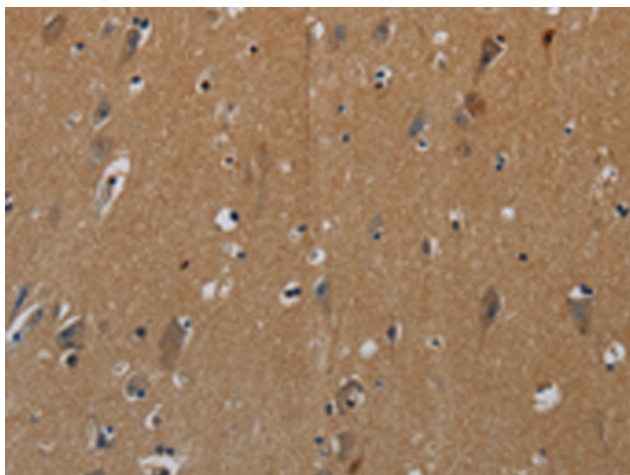
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

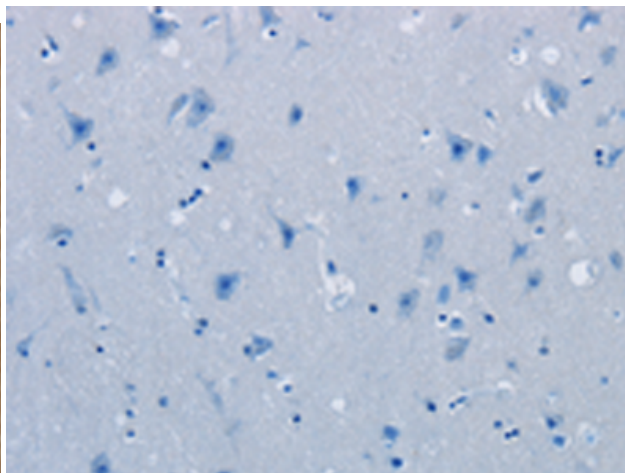
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Signal Transduction, Immunology

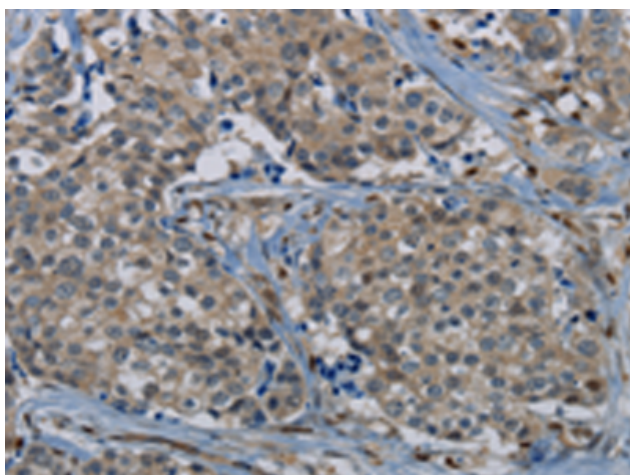
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



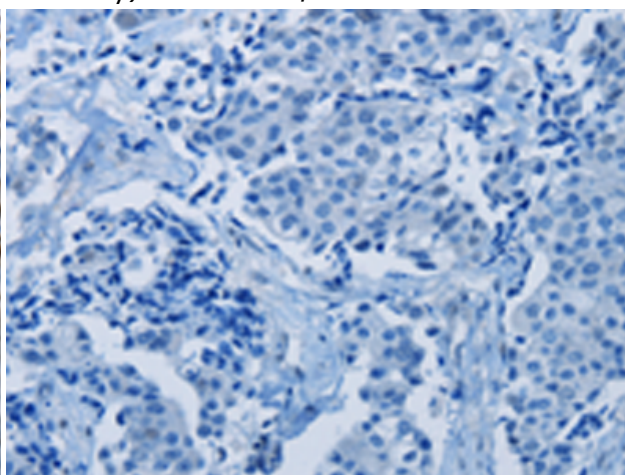
Immunohistochemistry analysis of paraffin embedded Human brain tissue using 220809(PIK3CG Antibody) at a dilution of 1/50(Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human brain tissue is first treated with the synthetic peptide and then with 220809(Anti-PIK3CG Antibody) at dilution 1/50.



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using 220809(Anti-PIK3CG Antibody) at a dilution of 1/50.



In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with synthetic peptide and then with D262051(Anti-PIK3CG Antibody) at dilution 1/50.