



## Rabbit Anti-phospho-PI3KCA (Tyr317) antibody

SL5570R

<b>Product Name:</b>	phospho-PI3KCA (Tyr317)
<b>Chinese Name:</b>	磷酸化磷脂酰肌醇激酶催化亚单位A抗体
<b>Alias:</b>	PIK3CA(phospho Y317); PI3 kinase p110 subunit alpha; caPI3K; MGC142161; MGC142163; p110 alpha; p110 alpha; Phosphatidylinositol 3 kinase catalytic alpha polypeptide; Phosphatidylinositol 3 kinase catalytic 110 KD alpha; Phosphatidylinositol 4 5 bisphosphate 3 kinase catalytic subunit alpha isoform; Phosphoinositide 3 kinase catalytic alpha polypeptide; PI3 kinase p110 subunit alpha; PI3K; PI3KC A; PIK3C A; PIK3CA; PK3CA; PtdIns 3 kinase p110; PI3-kinase P110 $\alpha$ ; PI3-kinase p110 subunit alpha; PI 3 Kinase catalytic subunit alpha; PK3CA_HUMAN; PI3 kinase P110 $\alpha$ .
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	117kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human PI3KCA around the phosphorylation site of Tyr317:RT(p-S)CG
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>PI3-Kinases (PI3-Ks) are a family of lipid kinases that are implicated in signal transduction. Phosphatidylinositol 3-kinase is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. The p85 subunit localize PI3-K activity to the plasma membrane while the p110 subunit contains the catalytic domain of PI3-K which uses ATP to phosphorylate PtdIns, PtdIns4P and PtdInsP2. Four isoforms of p110 has been found; alpha, beta, gamma, and the delta subunit. The alpha isoform, also known as PI3KCA, is a transforming oncogene that was shown to have activating mutations in nine types of cancers such as colon, brain, breast and stomach.</p> <p><b>SWISS:</b> P42336</p> <p><b>Gene ID:</b> 5290</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 5290</a> Human</p> <p><a href="#">Omim: 171834</a> Human</p> <p><a href="#">SwissProt: P42336</a> Human</p> <p><a href="#">Unigene: 553498</a> Human</p> <p><a href="#">Unigene: 715194</a> Human</p> <p><a href="#">Unigene: 85701</a> Human</p> <p><b>Important Note:</b> This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.</p>