



# PI 3-Kinase p110 $\gamma$ rabbit pAb

Cat No.:ES6590

For research use only

## Overview

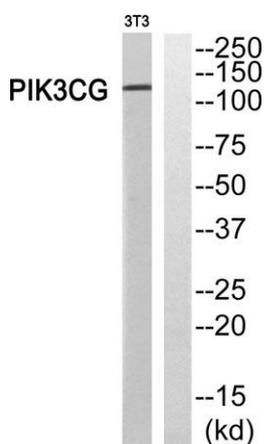
<b>Product Name</b>	PI 3-Kinase p110 $\gamma$ rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PIK3CG. AA range:881-930
<b>Specificity</b>	PI 3-Kinase p110 $\gamma$ Polyclonal Antibody detects endogenous levels of PI 3-Kinase p110 $\gamma$ protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform
<b>Gene Name</b>	PIK3CG
<b>Cellular localization</b>	Cytoplasm . Cell membrane .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	120kD
<b>Human Gene ID</b>	5294
<b>Human Swiss-Prot Number</b>	P48736
<b>Alternative Names</b>	PIK3CG; Phosphatidylinositol 4; 5-bisphosphate 3-kinase catalytic subunit gamma isoform; PI3-kinase subunit gamma; PI3K-gamma; PI3Kgamma; PtdIns-3-kinase subunit gamma; Phosphatidylinositol 4,5-bisphosphate 3-kinase 110 kDa catalytic subunit





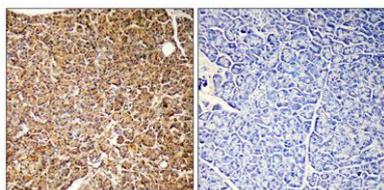
## Background

Phosphoinositide 3-kinases (PI3Ks) phosphorylate inositol lipids and are involved in the immune response. The protein encoded by this gene is a class I catalytic subunit of PI3K. Like other class I catalytic subunits (p110-alpha p110-beta, and p110-delta), the encoded protein binds a p85 regulatory subunit to form PI3K. This gene is located in a commonly deleted segment of chromosome 7 previously identified in myeloid leukemias. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jun 2015],



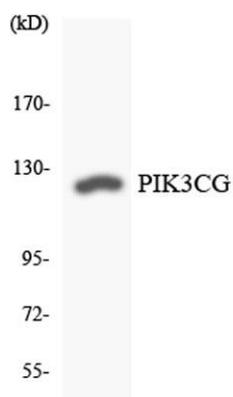
Western blot analysis of PIK3CG Antibody. The lane on the right is blocked with the PIK3CG peptide.

Immunohistochemistry analysis of paraffin-embedded human pancreas, using PIK3CG Antibody. The lane on the right is blocked with the PIK3CG peptide.





**ELK Biotechnology**



Western blot analysis of the lysates from Jurkat cells using PIK3CG antibody.



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