

For Research Use Only

# PI3 Kinase p110 Alpha Polyclonal antibody



Catalog Number: 27921-1-AP

7 Publications

## Basic Information

<b>Catalog Number:</b> 27921-1-AP	<b>GenBank Accession Number:</b> BC113601	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5290	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> phosphoinositide-3-kinase, catalytic, alpha polypeptide	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1068 aa, 124 kDa	
<b>Immunogen Catalog Number:</b> AG27539	<b>Observed MW:</b> 110 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, mouse brain tissue, NIH/3T3 cells, rat brain tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human, mouse, rat	
<b>Cited Species:</b> human, rat, mouse	

## Background Information

PIK3CA belongs to the PI3/PI4-kinase family. It phosphorylates PtdIns, PtdIns4P and PtdIns(4,5)P2 with a preference for PtdIns(4,5)P2. Defects in PIK3CA are associated with colorectal cancer (CRC). Defects in PIK3CA are associated with breast cancer. Defects in PIK3CA are associated with ovarian cancer. Defects in PIK3CA may underlie hepatocellular carcinoma (HCC). Defects in PIK3CA are a cause of keratosis seborrheic (KERSEB).

## Notable Publications

Author	Pubmed ID	Journal	Application
Shi Dong	35101570	J Ethnopharmacol	WB
Wei Liu	38204228	Curr Med Chem	WB
Liang Yao	38190953	J Ethnopharmacol	WB

## Storage

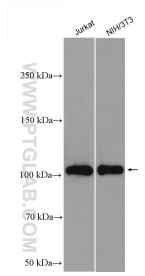
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

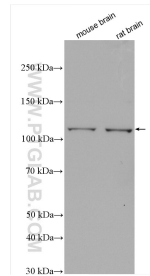
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27921-1-AP (PI3K p110(alpha) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 27921-1-AP (PI3 Kinase p110 Alpha antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.