

For Research Use Only

# PI3 Kinase p110 Alpha Recombinant antibody

Catalog Number: 82796-4-RR



## Basic Information

Catalog Number:

82796-4-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16586

GenBank Accession Number:

BC113601

GeneID (NCBI):

5290

UNIPROT ID:

P42336

Full Name:

phosphoinositide-3-kinase, catalytic,  
alpha polypeptide

Calculated MW:

1068 aa, 124 kDa

Observed MW:

110 kDa

Purification Method:

Protein A purification

CloneNo.:

1B4

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HEK-293 cells, COLO 320 cells, Jurkat cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue

## 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).

## 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

For technical support and original validation data for this product please contact:

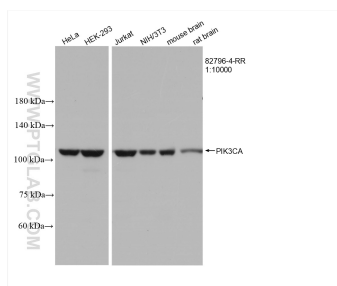
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

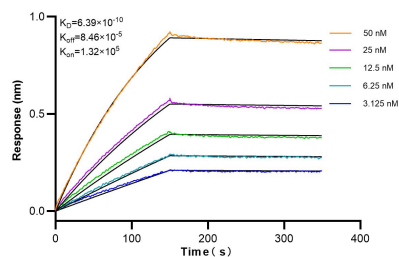
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82796-4-RR (PIK3CA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 82796-4-RR against Human PI3 Kinase p110 Alpha were performed. The affinity constant is 0.639 nM.