

For Research Use Only

# PI3 Kinase p110 Alpha Recombinant antibody, PBS Only

Catalog Number: 82796-4-PBS



## Basic Information

Catalog Number:

82796-4-PBS

Size:

1mg/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

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

## 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

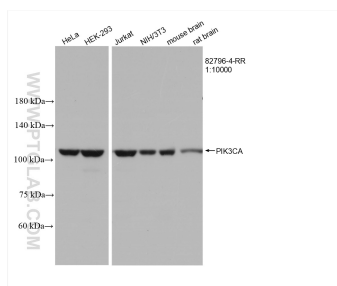
T: 4006900926

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

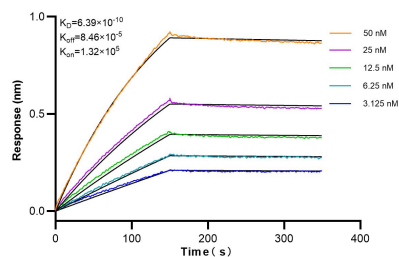
W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 82796-4-PBS in a different storage buffer formulation.



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