

For Research Use Only

PI3 Kinase p110 Alpha Recombinant antibody, PBS Only

Catalog Number: 82796-4-PBS



Basic Information

Catalog Number: 82796-4-PBS	GenBank Accession Number: BC113601	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 5290	CloneNo.: 1B4
Source: Rabbit	UNIPROT ID: P42336	
Isotype: IgG	Full Name: phosphoinositide-3-kinase, catalytic, alpha polypeptide	
Immunogen Catalog Number: AG16586	Calculated MW: 1068 aa, 124 kDa	
	Observed MW: 110 kDa	

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.

Storage Buffer:
PBS Only

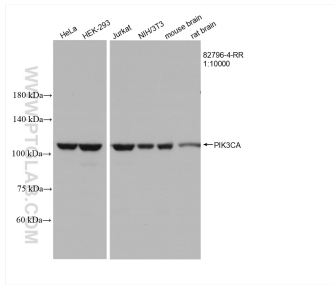
For technical support and original validation data for this product please contact:

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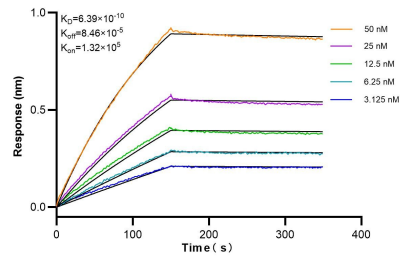
E: proteintech@ptglab.com
W: ptglab.com

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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.