

PI3K p85 alpha Polyclonal Antibody

Catalog NumberPA5-29613

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Recombinant fragment corresponding to a region within amino acids 538 and 724 of Human PI3 kinase p85 alpha	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: Jurkat, THP-1. Predicted reactivity: Mouse (100%), Rat (99%), Zebrafish (85%), Xenopus laevis (88%), Rhesus Monkey (100%), Bovine (100%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

Phosphatidylinositol 3-kinase (PIK3) is a signaling protein that phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. Signaling is initiated when upstream tyrosine kinase receptors or G protein coupled receptors are bound by their ligands. It binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. During insulin stimulation, it also binds to IRS-1. Mutations in the gene can result in Agammaglobulinemia 7, SHORT syndrome, or Immunodeficiency 36.

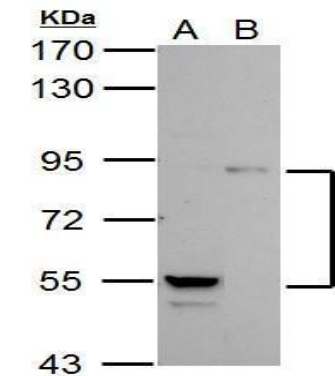
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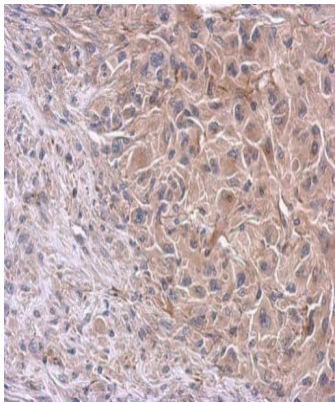
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Product Images For PI3K p85 alpha Polyclonal Antibody



PI3K p85 alpha Antibody (PA5-29613) in WB
Western Blot using PI3K p85 alpha Polyclonal Antibody (Product # PA5-29613). Sample (30 µg of whole cell lysate). Lane A: Jurkat. Lane B: THP-1 . 7.5% SDS PAGE. PI3K p85 alpha Polyclonal Antibody (Product # PA5-29613) diluted at 1:2,000.



PI3K p85 alpha Antibody (PA5-29613) in IHC (P)
Immunohistochemical analysis of paraffin-embedded U373 xenograft, using PI3 kinase p85 alpha (Product # PA5-29613) antibody at 1:500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.

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