

AKT1 Polyclonal Antibody

Catalog NumberPA5-27316

Product data sheet

Details	
Size	100 µL
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	Recombinant fragment corresponding to a region within amino acids 216 and 480 of Human AKT1
Conjugate	Unconjugated
Form	Liquid
Concentration	0.17 mg/mL
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Species Reactivity	
Species reactivity	Human
Tested Applications	
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Western Blot (WB)	1:500-1:3,000
Immunocytochemistry (ICC/IF)	1:100-1:1,000
* 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.	

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Product specific information

PA5-27316 targets AKT1 in IF, IHC (P), and WB applications and shows reactivity with Human samples. The PA5-27316 immunogen is recombinant fragment corresponding to a region within amino acids 216 and 480 of Human AKT1. Store product as a concentrated solution. Centrifuge briefly prior to opening the vial. For short-term storage (1-2 weeks), product can be stored at 4°C. For long-term storage, aliquot and store product at -20° C or below, avoiding multiple freeze-thaw cycles.

Background/Target Information

AKT also known as protein kinase B (PKB) or RAS-alpha, is an ubiquitous serine/threonine kinase that plays an important role in diverse biological responses such as regulation of metabolism, cell survival and growth by phosphorylating multiple proteins. This protein kinase is activated by insulin, PI3K, IGF1 and various other growth and survival factors. Akt promotes cell survival by inhibiting apoptosis through phosphorylation and inactivation of several targets, including forkhead transcription factors, and caspase-9. The AKT pathway is a major target for cancer drug discovery.

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