

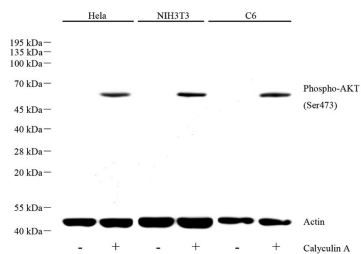


Product name:	Recombinant Anti-Phospho-AKT (S473) antibody (Rabbit mAb)
Cat number:	MABS150002
Conjugate:	unconjugated
Host:	Rabbit
Size:	100 µL
Synonyms:	AKT, AKT (pan), AKT pan, AKT1, AKT1/2/3, pan AKT, PKB, PKB ALPHA, PRKBA, Protein kinase B, Proto oncogene c Akt, RAC, RAC ALPHA, RAC PK alpha, total AKT
Clone:	D702
Concentration:	1mg/ml
Isotype:	IgG
Immunogen:	KLH conjugated Synthetic phosphopeptide corresponding to Human AKT(S473)
Reactivity:	Human, Mouse, Rat
Applications:	WB 1: 1000-1: 2000
Molecular Weight:	60 kDa
Purification:	Affinity purification
Background:	An important class of kinases, referred to as Arg-directed kinases or AGC-family kinases, includes cAMP-dependent protein kinase (PKA), cGMP-dependent protein kinase (PKG), protein kinase C, Akt, and RSK. These kinases share a substrate specificity characterized by Arg at position -3 relative to the phosphorylated Ser or Thr. Akt plays a central role in mediating critical cellular responses including cell growth and survival, angiogenesis, and transcriptional regulation. While a number of Akt substrates are known (such as GSK-3, Bad, and caspase-9) many important substrates await discovery. Images
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

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WB analysis of Phospho-AKT(S473).
Sample: Protein treated by RIPA Lysis Buffer. Blocking buffer: 3% Nonfat dry milk in TBST, RT, 1h. Primary antibody: 1: 2000, 4°C overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG 1: 3000, RT, 1h.