Product name:	Recombinant Anti-Phospho-AKT (S473) antibody (Rabbit mAb)
Cat number:	MABS150002
Conjugate:	unconjugated
Size:	100 µL
Clone:	D702
Concentration:	1mg/ml
Host:	Rabbit
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
Form:	Liquid
Buffer:	PBS with 0.02%sodium azide,100 µg/ml BSA and 50% glycerol.
Storage:	Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles.
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