

Akt(Phospho Ser473) Mouse Monoclonal Antibody(7F9)

Catalog No: RA10109

Basic Information

Host species	Mouse
Applications	WB,IHC
Species Cross-Reactivity	H
Specificity	Antibody can detects endogenous Akt1 protein.
Recommended dilutions	WB: 1:1,000-2,000 IHC: 1:100-200 Optimal dilutions should be determined by the end user.

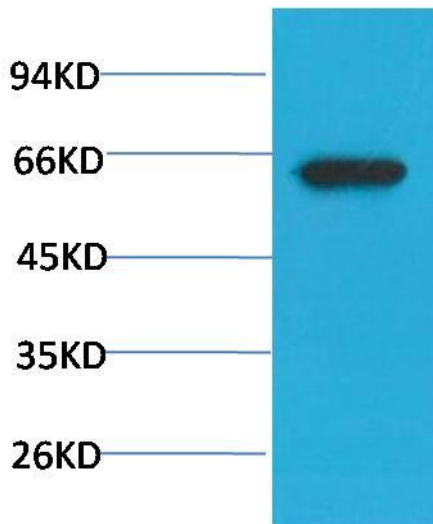
Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

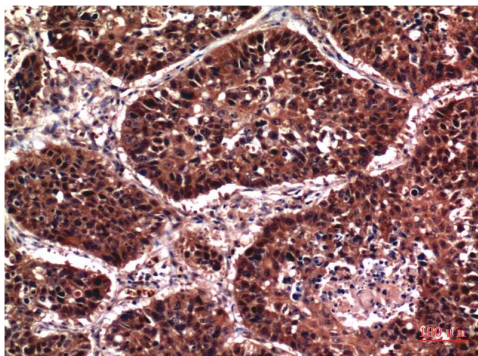
Background

Alternative Names	c Akt antibody, MGC9965 antibody, Protein kinase B antibody, RAC antibody, PRKBA antibody
Observed band	60
Human Gene ID	207
Human Swiss-Prot Number	P31749
Background	Akt, is a serine/threonine-specific protein kinase that plays a key role in multiple cellular processes such as glucose metabolism, apoptosis, cell proliferation, transcription and cell migration. Akt1 is involved in cellular survival pathways, by inhibiting apoptotic processes. Akt1 is also able to induce protein synthesis pathways, and is therefore a key signaling protein in the cellular pathways that lead to skeletal muscle hypertrophy, and general tissue growth.

Selected Validation Data



Western blot analysis of PC3 Cell Lysate using Phospho-Akt Ser473 Mouse mAb diluted at 1:1000.



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma Tissue using Phospho-Akt Ser473 Mouse mAb diluted at 1:200.