

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

Catalog TDY589C TDY589F

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Quantity 50μL 100μL

Entrez-Gene ID#207 , Swiss-Prot Acc.#P31749

For research use only.

Applications	Species Cross-Reactivity	Molecular Weight	Isotype
WB,IHC	H	~60KD	IgG1

Storage Buffer & Condition: PBS, pH 7.4, containing 0.02% **sodium azide** as Preservative and 50% Glycerol.
Store at **-20°C. Do not aliquot the antibody.**

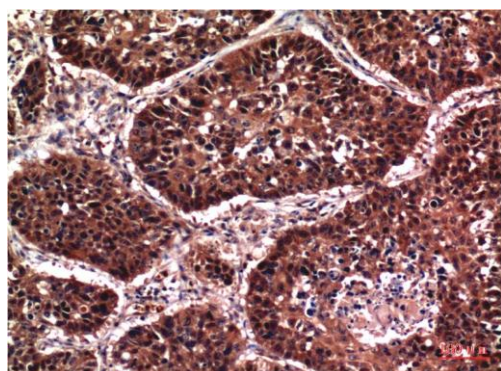
Recommended dilutions: WB: 1:1,000-2,000 IHC: 1:100-200

Optimal dilutions should be determined by the end user.

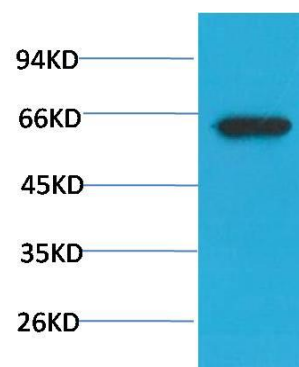
Specificity: Antibody can detects endogenous Akt1 protein.

Alternative Names: c Akt antibody, MGC9965 antibody, Protein kinase B antibody, RAC antibody, PRKBA antibody

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.



Immunohistochemical analysis of paraffin-embedded Human Lung Carcinoma Tissue using Phospho-Akt Ser473 (TDY589) Mouse mAb diluted at 1:200.



Western blot analysis of PC3 Cell Lysate using Phospho-Akt Ser473 (TDY589) Mouse mAb diluted at 1:1000.