

Anti-Phospho-AKT (Ser473) Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M011364

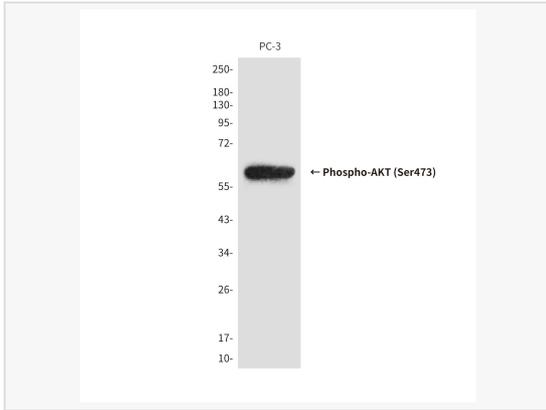
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100
Host	Mouse
Clonality	Monoclonal
Clone No.	45L37L61
Isotype	IgG1
Label	Unconjugated
Immunogen	Synthetic peptide conjugated to KLH.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-AKT (Ser473) antibody [45L37L61] is for research use only and not for use in diagnostic or therapeutic procedures.

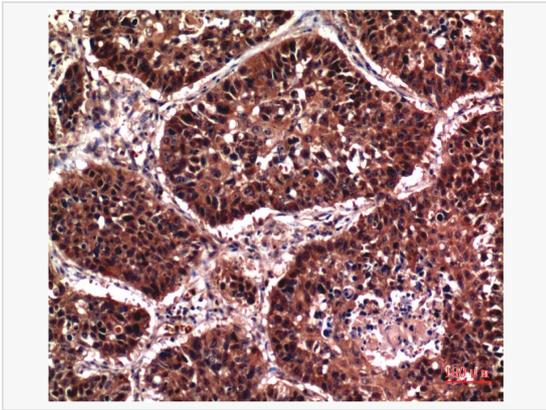
Protein Information

Synonyms	AKT1, PKB, RAC, RAC-alpha serine/threonine-protein kinase, Protein kinase B, PKB, Protein kinase B alpha, PKB alpha, Proto-oncogene c-Akt, RAC-PK-alpha.
Calculated MW	Calculated MW: 56 kDa; Observed MW: 60 kDa
Uniprot ID	P31749
Gene ID	207
Background	Akt, also referred to as PKB or Rac, plays a critical role in controlling survival and apoptosis. This protein kinase is activated by insulin and various growth and survival factors to function in a wortmannin-sensitive pathway involving PI3 kinase. Akt is activated by phospholipid binding and activation loop phosphorylation at Thr308 by PDK1 and by phosphorylation within the carboxy terminus at Ser473.

Validation Images



Western blot analysis of Phospho-AKT (Ser473) in PC-3 lysates using Phospho-AKT (Ser473) antibody [45L37L61].



Immunohistochemistry analysis of paraffin-embedded Human Lung Carcinoma Tissue using Phospho-Akt Ser473 antibody [45L37L61]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.