

**Product Name: Phospho-AKT1 (Thr450) Rabbit
Monoclonal Antibody
Catalog #: AMRe84887**

Summary

Production Name	Phospho-AKT1 (Thr450) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IP
Reactivity	Human,Rat

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Immunogen

Gene Name	Phospho-AKT1 (Thr450)
Alternative Names	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
Gene ID	207.0
SwissProt ID	P31749. A synthetic phosphopeptide corresponding to residues surrounding Thr450 of human AKT1

Application

Dilution Ratio	WB:1:500-1:1000,IP:1:10-1:20
Molecular Weight	Calculated MW: 56 kDa; Observed MW: 56 kDa

**Product Name: Phospho-AKT1 (Thr450) Rabbit
Monoclonal Antibody
Catalog #: AMRe84887**



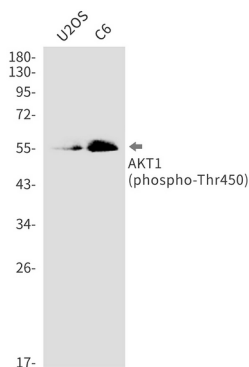
Background

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.

Research Area

Apoptosis, TGF-beta signaling pathway, PI3K-Akt signaling pathway, mTOR signaling pathway, MAPK signaling pathway, Jak-STAT signaling pathway

Image Data



Western blot analysis of Phospho-AKT1 (Thr450) in U2OS, C6 lysates using Phospho-AKT1 (Thr450) antibody.

Note

For research use only.