

Anti-Phospho-AKT1 (Thr450) Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R012565

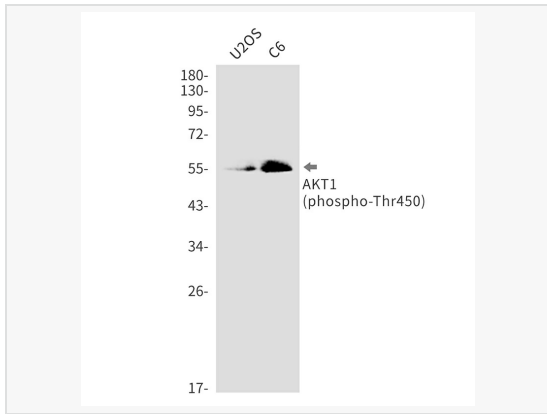
Product Information

Application	WB, IP, ELISA
Reactivity	Human, Rat
Dilution	WB 1:500~1:1,000; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	25L76M50
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Thr450 of human AKT1
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA 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-AKT1 (Thr450) antibody [25L76M50] 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: 56 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-AKT1 (Thr450) in U2OS, C6 lysates using Phospho-AKT1 (Thr450) antibody.