



EMAR Beijing Emarbio Science & Technology Co.,LTD

Anti-AKT (Phospho-Ser473) Rabbit Polyclonal Antibody

Catalog No.	EM41439-01	EM41439-02
Size	50µl	100µl

Species reactivity: Human Mouse Rat **Molecular Weight:** 60KD

Background: an AGC kinase that plays a critical role in controlling the balance between survival and AP0ptosis. Phosphorylated and activated by PDK1 in the PI3 kinase pathway. Mediates survival signals downstream of PI3 kinase and several growth factor receptors by phosphorylating AP0ptotic proteins. First found in a mouse transforming retrovirus. Tumorigenic in a mouse lymphoma model and activated (by phospho-Akt staining) and/or overexpressed in a number of cancers including breast, prostate, lung, pancreatic, liver, ovarian and colorectal. Inhibitor: RX-0201. Substrates include tuberin, Bad, Forkhead transcription factors, caspase-9, and glycogen synthase kinase-3.

All Names: AKT, AKT1 kinase, C-AKT, EC 2.7.11.1, PKB, PKB-alpha, Protein kinase B, RAC, RAC-PK-alpha, RAC-alpha serine/threonine kinase, kinase Akt1

Specificity: Phospho-Akt(Ser473) Antibody detects endogenous levels of Akt only when phosphorylated at Sersine 473

Immunogen: A synthesized peptide derived from human Akt around the phosphorylation site of Sersine 473

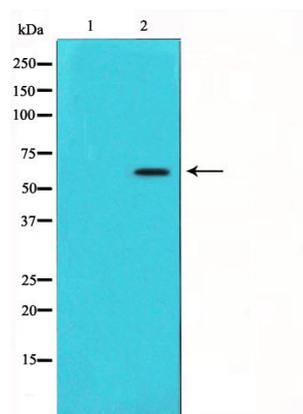
Application: WB 1:1000-1:3000 IHC: 1:50-1:200 IF/ICC 1:100-1:500

Optimal dilutions/concentrations should be determined by the end user.

Form: Liquid ,1mg/ml

Storage buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage: Store at -20°C. Do not aliquot the antibody.



Western blot analysis on 293 cell lysate using Phospho-Akt(Ser473) Antibody