AKT(Phospho-Ser129) Antibody

#14124

Catalog Number: 14124-1, 14124-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. :P31749

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human AKT1 around the phosphorylation site of Serine 129

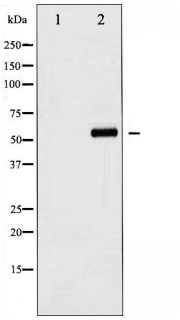
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Specificity/Sensitivity: Phospho-AKT (Ser129) Antibody detects endogenous levels of AKT1 only when phosphorylated at Serine 129

Reactivity: Human,Mouse,Rat

Applications:

Predicted MW: 65kd WB:1:500~1:2000



Western blot analysis of Akt phosphorylation expression in PMA treated A549 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.

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 AP0pototic 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.