



AKT (Phospho-Ser473) Antibody

#14120

Catalog Number: 14120-1, 14120-2

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°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human AKT around the phosphorylation site of Sersine 473

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

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

Reactivity: Human, Mouse, Rat

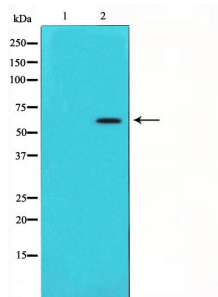
Applications:

Predicted MW: 60kd

WB: 1:500~1:2000

IHC: 1:50-200

IF/ICC: 1:100-500



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

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 tuberlin, Bad, Forkhead transcription factors, caspase-9, and glycogen synthase kinase-3.