

AKT1/2 (Phospho-T308/T309) polyclonal antibody

Catalog: BS64584

Host: Rabbit

Reactivity: Human,Mouse,Rat

BackGround:

AKT, also known as protein kinase B (PKB), is a 57 kDa serine/threonine protein kinase. There are three mammalian isoforms of Akt: AKT1 (PKB alpha), AKT2 (PKB beta) and AKT3 (PKB gamma) with AKT2 and AKT3 being approximately 82% identical with the AKT1 isoform. Each isoform has a pleckstrin homology (PH) domain, a kinase domain and a carboxy terminal regulatory domain. AKT was originally cloned from the retrovirus AKT8, and is a key regulator of many signal transduction pathways. Its tight control over cell proliferation and cell viability are manifold; overexpression or inappropriate activation of AKT has been seen in many types of cancer.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 55 kDa

Swiss-Prot:

P31749/P31751

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

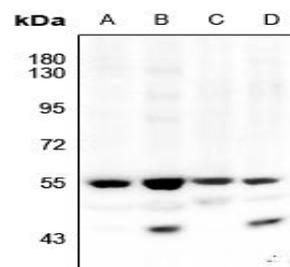
WB:1:500~1:1000

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

AKT1/2 (Phospho-T308/T309) polyclonal antibody detects endogenous levels of AKT1/2 protein only when phosphorylated at Thr308/Thr309.

DATA:

Western blot (WB) analysis of AKT1/2 (Phospho-T308/309) polyclonal antibody at 1:500 dilution

LaneA:PC3 whole cell lysate

LaneB:MCF-7 whole cell lysate

LaneC:PC12 whole cell lysate

LaneD:BV2 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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