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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB06875 - Goat Anti-AKT1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: AKT1, v-akt murine thymoma viral oncogene homolog 1, HGNC:391, MGC99656, PKB, PRKBA, RAC, RAC-ALPHA, RAC-alpha serine/threonine-protein kinase, murine thymoma viral (v-akt) oncogene homolog-1, protein kinase B, rac protein kinase alpha

Official Symbol: AKT1

Accession Number(s): NP_005154.2; NP_001014432.1; NP_001014431.1

Human GeneID(s): [207](#)

Important Comments: Variants one, two and three encode the same protein (NP_005154, NP_001014432, NP_001014431). No cross-reactivity expected with AKT2 or AKT3.

Immunogen

Peptide with sequence C-EVSLAKPKHR, from the internal region of the protein sequence according to NP_005154.2; NP_001014432.1; NP_001014431.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Approx 60kDa band observed in MCF7 and approx. 60-65kDa in NIH3T3 cell lysates (calculated MW of 55.7kDa according to Human NP_005154.2 and Mouse NP_033782.1). The observed molecular weight corresponds to earlier findings with different antibodies from other commercial sources. Recommended concentration: 2-3ug/ml. Primary incubation 1 hour at room temperature.

Species Reactivity

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Cow



EB06875 (2µg/ml) staining of MCF7 (A) and NIH3T3 (B) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence