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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.

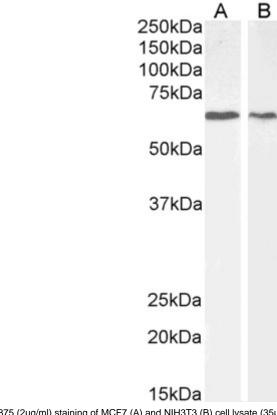
Western blot: Approx 60kDa band observed in MCF7 and approx. 60-65kDa in NIH3T3 cell lysates (calculated MW of 55.7kDa according to Human NP_005154.2 and Mouse NP_033782.1). This molecular weight is routinely observed by other sources.

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