



## UK Office

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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: 2-3µg/ml. Primary incubation 1 hour at room temperature.

### Species Reactivity

**Tested:** Human, Mouse

**Expected from sequence similarity:** Human, Mouse, Cow



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