

## UK Office

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

## EB06772 - Goat Anti-AKT2 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** AKT2, v-akt murine thymoma viral oncogene homolog 2, HGNC:392, PKKBETA, PRKBB, RAC-BETA, Murine thymoma viral (v-akt) homolog-2, rac protein kinase beta

**Official Symbol:** AKT2

**Accession Number(s):** NP\_001617.1; NP\_001229956.1; NP\_001317440.1

**Human GeneID(s):** [208](#)

**Important Comments:** This antibody is expected to recognise all reported isoforms NP\_001617.1; NP\_001229956.1; NP\_001317440.1.

### Immunogen

Peptide with sequence C-RYDSLGLLELDQRT, from the C Terminus of the protein sequence according to NP\_001617.1; NP\_001229956.1; NP\_001317440.1.

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. 58-60kDa band observed in Human Skeletal Muscle lysates and in Rat Testis lysates, and approx.60kDa in Human Testis lysates, and in preliminary testing of THP-1 cell lysate (calculated MW of 55.8kDa according to Human NP\_001617.1 and 55.5kDa according to Rat NP\_058789.1). Recommended concentration: 0.5-1µg/ml.

Primary incubation 1 hour at room temperature

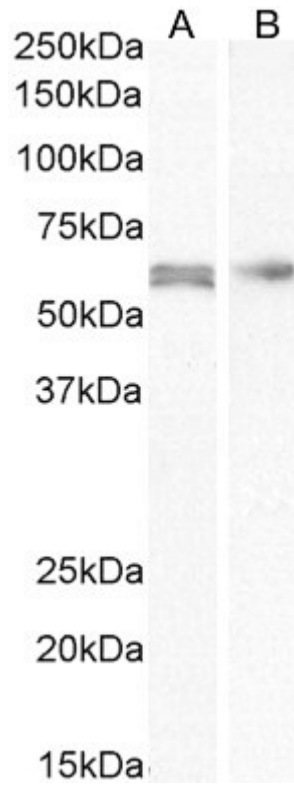
**IHC:** Paraffin embedded Human Testis. Recommended concentration: 4-6µg/ml.

**Flow Cytometry:** A customer reported weak staining on THP-1 cells at a concentration of 10ug/ml.

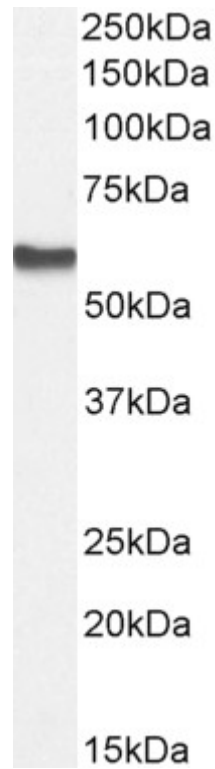
### Species Reactivity

**Tested:** Human, Rat

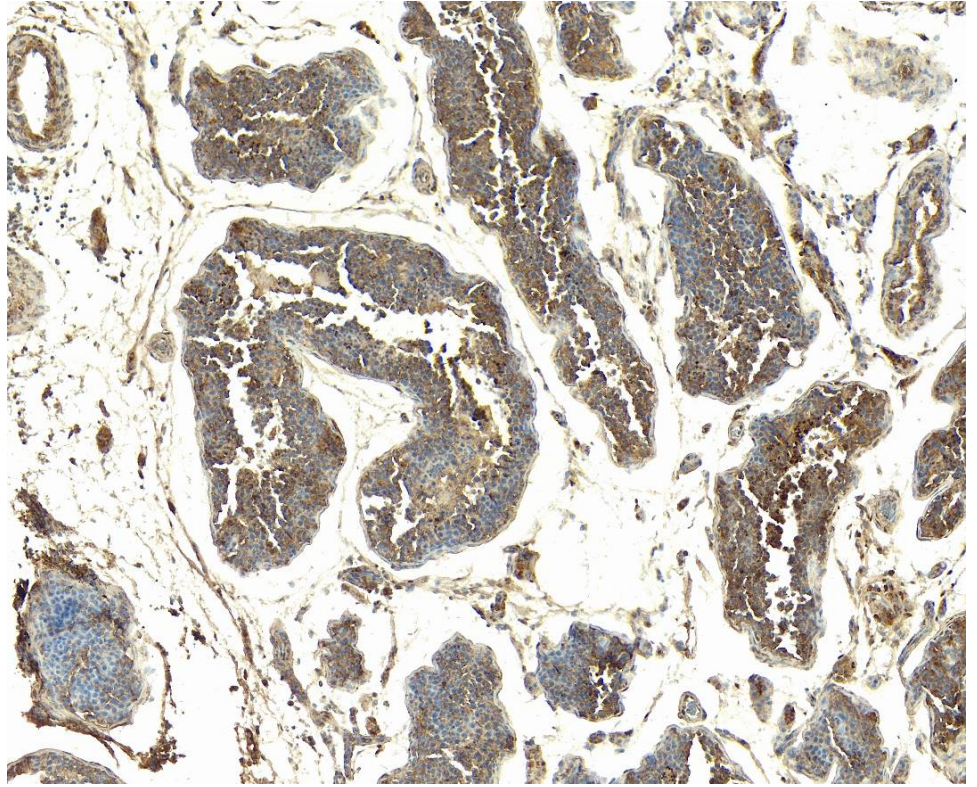
**Expected from sequence similarity:** Human, Mouse, Rat, Dog



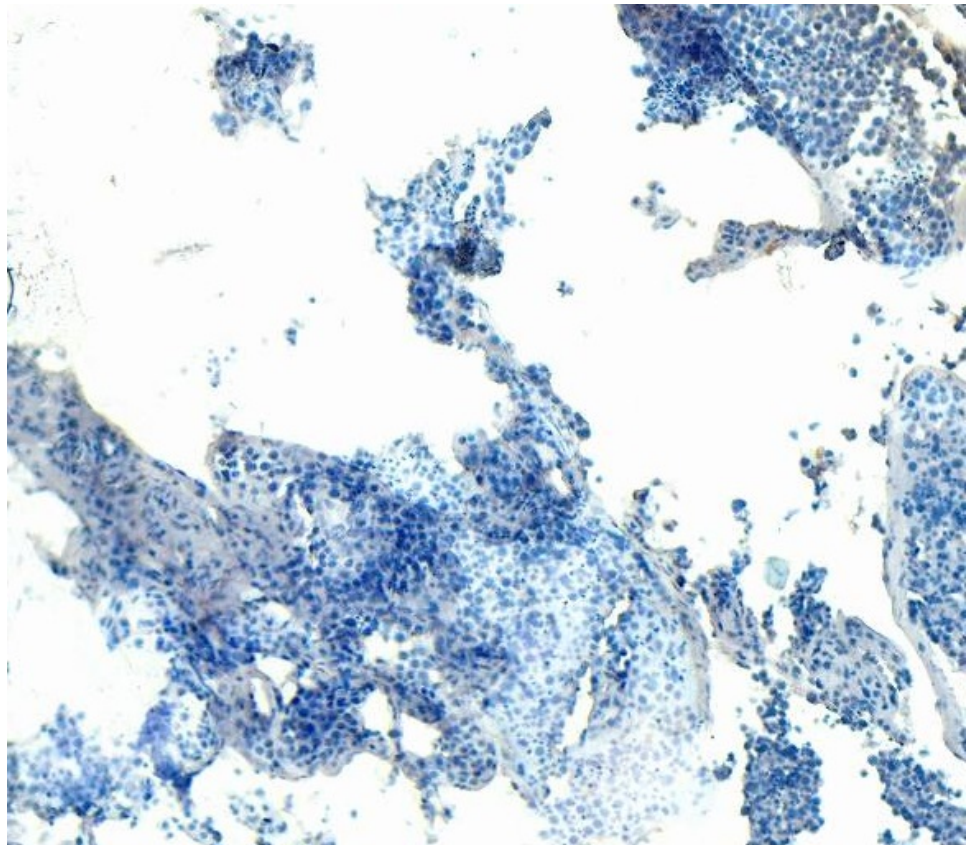
EB06772 (1 $\mu$ g/ml) staining of Human Skeletal Muscle (A) and (0.75 $\mu$ g/ml) Human Testes (B) lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06772 (1 $\mu$ g/ml) staining of Rat Testes lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06772 (4µg/ml) staining of paraffin embedded Human Testis. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB06772 Negative Control showing staining of paraffin embedded Human Testis, with no primary antibody.