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

EB05630 - Goat Anti-p70S6K / RPS6KB1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: RPS6KB1, p70-S6K, ribosomal protein S6 kinase, 70kD, polypeptide 1, PS6K, S6K, S6K1, STK14A, p70(S6K)-alpha, p70-alpha, p70 S6 kinase, alpha 1, p70 S6 kinase, alpha 2, ribosomal protein S6 kinase, 70kD, polypeptide 1, serine/threonine kinase 14 alpha

Official Symbol: RPS6KB1

Accession Number(s): NP_003152.1

Human GeneID(s): [6198](#)

Non-Human GeneID(s): 72508 (mouse), 83840 (rat)

Immunogen

Peptide with sequence C-MISKRPEHLRMNL, from the C Terminus of the protein sequence according to NP_003152.1.

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 1:8000.

Western blot: Approx 65kDa band observed in lysates of Human Placenta, of Rat Brain and of cell line NIH3T3 (calculated MW of 59.1kDa according to NP_003152.1).

Recommended concentration: 0.05-0.1µg/ml.

IHC: In paraffin embedded Human Kidney shows staining in the cytoplasm-rich PCT while less so in the DCT and no signals in the glomerulus. Recommended concentration: 2-4µg/ml.

Species Reactivity

Tested: Human, Mouse, Rat

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

EB05630 staining (0.05µg/ml) of Human Placenta lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

EB05630 (1µg/ml) staining of Rat Brain lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB05630 (0.1µg/ml) staining of NIH3T3 cell lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB05630 (2µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.