

## UK Office

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

## EB06751 - Goat Anti-ERK1 / MAPK3 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** MAPK3, ERK1, mitogen-activated protein kinase 3, HGNC:6877, P44ERK1, P44MAPK, PRKM3, protein kinase, mitogen-activated 3 (MAP kinase 3 p44), HS44KDAP, HUMKER1A, MGC20180, OTTHUMP00000174538, extracellular signal-regulated kinase 1, extracellular signal-related kinase 1

**Official Symbol:** MAPK3

**Accession Number(s):** NP\_002737.2; NP\_001035145.1; NP\_001103361.1

**Human GeneID(s):** [5595](#)

**Important Comments:** No cross-reactivity expected with ERK2

### Immunogen

Peptide with sequence GGEPRRTEGVGP-C, from the N Terminus of the protein sequence according to NP\_002737.2; NP\_001035145.1; NP\_001103361.1.

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 1:4000.

**Western blot:** Approx 45kDa band observed in HEK293 lysates (calculated MW of 43.1kDa according to NP\_002737.2). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB06751 (0.3µg/ml) staining of HEK293 lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.