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

EB06751-T - Goat Anti-ERK1 / MAPK3 Antibody - Trial

Size: 20µg specific antibody in 40µl



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.