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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB06751 - Goat Anti-ERK1 / MAPK3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

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

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

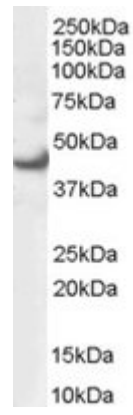
Peptide ELISA: antibody detection limit dilution 1:4000.

Western blot: Approx 45kDa band observed in Human Brain lysates, Kidney fibroblast HEK293 lysates and epidermoid fibroblast A431 lysates (calculated MW of 43.1kDa according to NP_002737.1). Recommended concentration: 0.1-0.3µg/ml.

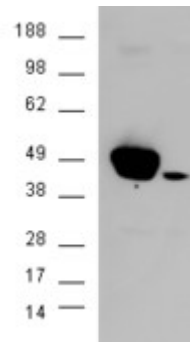
Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB06751 (0.3 μ g/ml) staining of 293 lysate (35 μ g protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.



HEK293 overexpressing ERK1 (RC204196) and probed with EB06751 (mock transfection in second lane),
tested by Origene