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Research Use Only. Not for diagnostic or therapeutic use.

EB06592 - Goat Anti-ERK2 / MAPK1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: MAPK1, ERK2, ERK, p38, p40, p41, ERT1, MAPK2, PRKM1, PRKM2, P42MAPK, p41mapk, mitogen-activated protein kinase 1, protein tyrosine kinase ERK2, mitogen-activated protein kinase 2, extracellular signal-regulated kinase 2

Official Symbol: MAPK1

Accession Number(s): NP_002736.3; NP_620407.1

Human GeneID(s): 5594

Non-Human GenelD(s): 26413 (mouse)

Important Comments: This antibody is expected to recognise an epitope corresponding

to aa 9-19 of both reported protein isoforms of human ERK2 / MAPK1 protein.

Immunogen

Peptide with sequence CAAGPEMVRGQVF, from the internal region of the protein sequence according to NP_002736.3; NP_620407.1.

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 38kDa band observed in HepG2 lysates (calculated MW of 41.4kDa according to NP_002736 and NP_620407). Recommended concentration: 0.5-2µg/ml. Primary incubation was 1 hour.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of U251 cells. Recommended concentration: 10µg/ml.

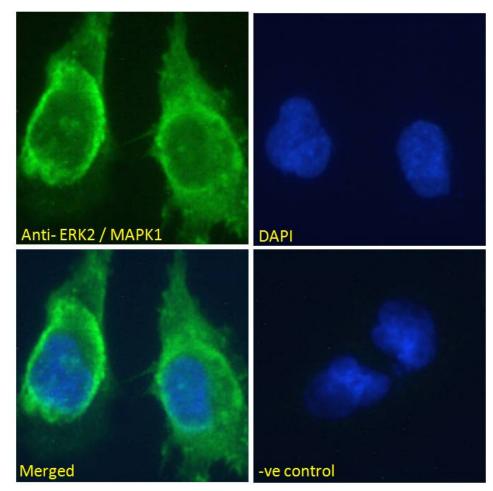
Species Reactivity

Tested: Human

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

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa 15kDa

 $EB06592\ (0.5\mu g/ml)\ staining\ of\ HepG2\ lysate\ (35\mu g\ protein\ in\ RIPA\ buffer).\ Detected\ by\ chemiluminescence.$



EB06592 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).