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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 GeneID(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.

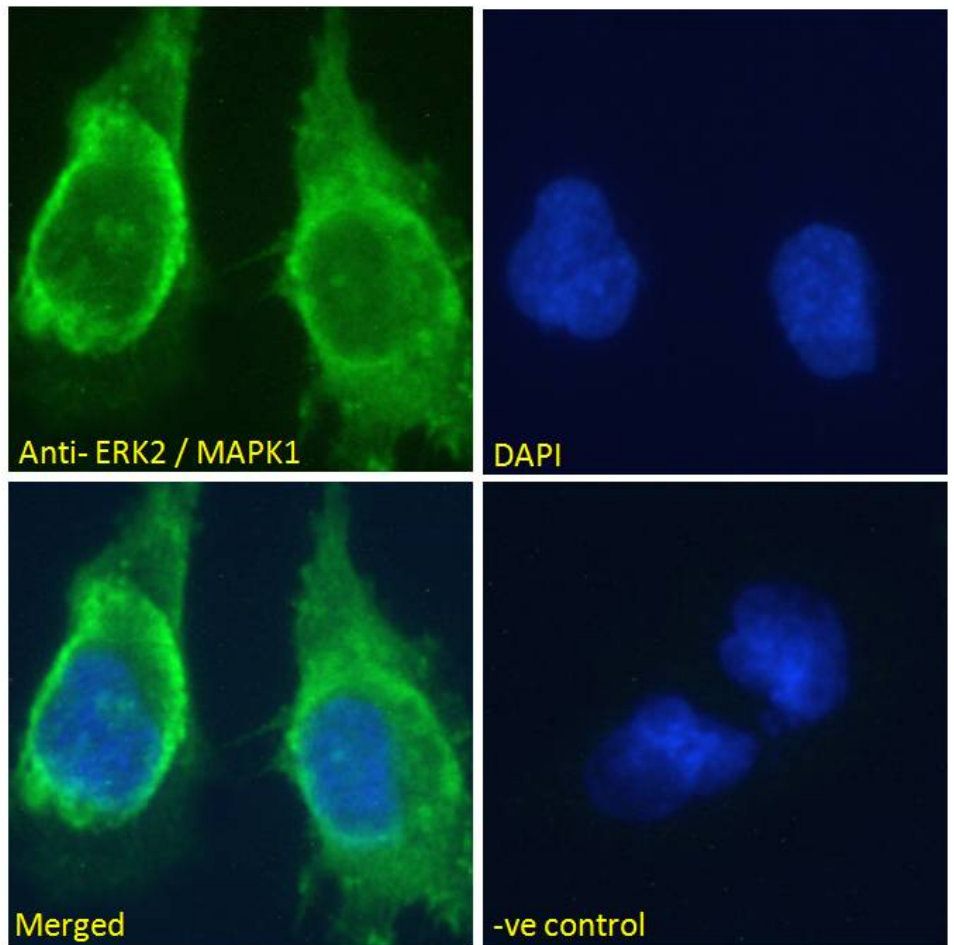
Species Reactivity

Tested: Human

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

250kDa
150kDa
100kDa
75kDa
50kDa
37kDa
25kDa
20kDa
15kDa
10kDa

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



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