

Goat anti-ERK2 / MAPK1 Antibody

Item Number	dAP-0586
Target Molecule	Principle Name: ERK2 / MAPK1; Official Symbol: MAPK1; All Names and Symbols: 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; extracellular signal-regulated kin; Accession Number (s): NP_002736.3; NP_620407.1; Human Gene ID(s): 5594; Non-Human GeneID(s): 26413 (mouse)
Immunogen	CAAGPEMVRGQVF, is from internal region This antibody is expected to recognise an epitope corresponding to aa 9-19 of both reported protein isoforms of human ERK2 / MAPK1 protein.
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	Western Blot: Approx 38kDa band observed in human cervix epitheloid carcinoma HeLa and human hepatoblastoma HepG2 lysates (calculated MW of 41.4kDa according to NP_002736 and NP_620407). Recommended concentration: 0.5-2µg/ml.
IHC	
Reference	Reference(s): Lee SM, Nguyen TH, Park MH, Kim KS, Cho KJ, Moon DC, Kim HY, Yoon do Y, Hong JT. EPO receptor-mediated ERK kinase and NF-kappaB activation in erythropoietin-promoted differentiation of astrocytes. Biochem Biophys Res Commun. 2004 Aug 6;320(4):1087-95. .PMID: 15249201 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**