

Goat anti-ERK1 / MAPK3 Antibody

Item Number	dAP-0636
Target Molecule	Principle Name: ERK1 / MAPK3; Official Symbol: MAPK3; All Names and Symbols: 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-re; Accession Number (s): NP_002737.2; NP_001035145.1; NP_001103361.1; Human Gene ID(s): 5595; Non-Human GeneID(s):
Immunogen	GGEPRRTEGVGP, is from N Terminus No cross-reactivity expected with ERK2
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 4000.
Western Blot	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.
IHC	
Reference	Reference(s): Wang PY, Weng J, Anderson RG. OSBP is a cholesterol-regulated scaffolding protein in control of ERK 1/2 activation. Science. 2005 Mar 4;307(5714):1472-6. .PMID: 15746430 ->

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**