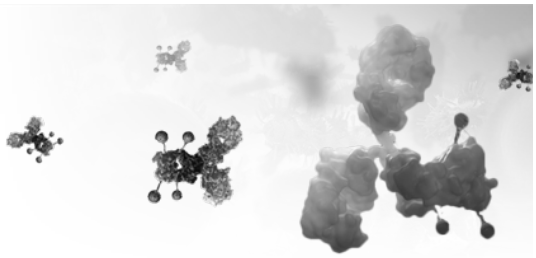

Rabbit Anti-MAPK7 monoclonal antibody, clone TE3195 (CABT-L801)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	ERK5
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TE3195
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IP, FC
Molecular Weight	115 kDa
Cellular Localization	Cytoplasm, Nucleus.
Positive Control	MCF-7, Hela, 293.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

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Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	The activation of signal transduction pathways by growth factors, hormones and neurotransmitters is mediated through two closely related MAP kinases, p44 and p42, designated extracellular-signal related kinase 1 (ERK 1) and ERK 2, respectively. ERK proteins are regulated by dual phosphorylation at specific tyrosine and threonine sites mapping within a characteristic Thr-Glu-Tyr motif. Phosphorylation at both the Thr and Tyr residues is required for full enzymatic activation. In response to activation, MAP kinases phosphorylate downstream components on serine and threonine. Upstream MAP kinase regulators include MAP kinase kinase (MEK), MEK kinase and Raf-1. The ERK family has three additional members: ERK 3, ERK 5 and ERK 6.
Keywords	Big MAP kinase 1;BMK 1;BMK 1 kinase;BMK-1;BMK1;BMK1 Kinase;EC 2.7.11.24;ERK 4;ERK 5;ERK-5;ERK4;ERK5;Extracellular signal regulated kinase 5;Extracellular signal-regulated kinase 5;MAP kinase 7;MAPK 7;MAPK7;Mitogen activated protein kinase 7;Mitogen-activated protein kinase 7;MK07_HUMAN;OTTHUMP00000065906;OTTHUMP00000065907;PRKM7;PRKM7;PROTEIN KINASE, MITOGEN-ACTIVATED, 7 antibody

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