ERK1 2(Phospho-Thr202 + Tyr204) Antibody HRP Conjugated

Catalog No: #C04428H

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Description

Product Name	ERK1 2(Phospho-Thr202 + Tyr204) Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WBB B IHC-PB IHC-FB ICC
Species Reactivity	HuB MsB RtB B B
Immunogen Description	KLH conjugated synthetic phosphopeptide aa 196-210 379 derived from human p44 42 MAPK around the phosphorylation site of (Thr202 Tyr204)
Conjugates	HRP
Target Name	ERK1 2 Thr202 + Tyr204
Other Names	ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; Mitogen-activated protein kinase 3; MAP kinase 3; MAPK 3; Extracellular signal-regulated kinase 1; Insulin-stimulated MAP2 kinase; MAP kinase isoform p44; Microtubule-associated protein 2 kinase; MAPK3
Accession No.	Swiss-Prot#P27361NCBI Gene ID5595
Uniprot	P27361
GeneID	5595;
Excitation Emission	N A
Cell Localization	Cytoplasm, Nucleus
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

WB=1:500-2000B B IHC-P=1:50-200B IHC-F=1:50-200B ICC=1:50-200

Background

p44 42 MAP Kinase(Thr202); ERK (extracellular signal regulated kinase), also known as MAPK (mitogen activated protein kinase) has two closely related isoforms of 44 kDa and 42 kDa, respectively. These kinases belong to a family of serine threonine kinases that are activated upon treatment of cells with a large variety of stimuli including mitogens, hormones, growth factors, cytokines, and bioactive peptides. Cell stimulation induces the activation of a signaling cascade, the downstream effects of which have been linked to the regulation of cell growth and differentiation as well as the cytoskeleton. ERK1 and ERK2 are phosphorylated within the activation loop on both a Threonine and a Tyrosine residue (within a Thr-Glu-Tyr motif) by MEKs (MAPK ERK kinases), thereby greatly elevating the activity of ERK1&2.

Note: This product is for in vitro research use only