

Basic Information

Product Name	Anti-MAPK1/3 Antibody		
Gene Name	MAPK1/MAPK3		
Source	Rabbit		
Isotype	IgG		
Species Reactivity	human, mouse, rat		
Tested Application	WB, IHC		
Contents	500 ug/ml antibody with PBS , 0.02% NaN ₃ , 1 mg BSA and 50% glycerol.		
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human MAPK1/3(171-184aa ARVADPDHDTGFL), identical to the related rat and mouse sequences.		
concentration	500 ug/ml		
Purification	Immunogen affinity purified.		
Observed MW	41KD		
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.		

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

MAPK1(ERK2) shares high homology with MAPK3(ERK1). MAP kinase phosphatase as a locus of flexibility in a mitogen-activated protein kinase signaling network. Mitogen-activated protein(MAP) kinases [also known as Erks] have been established to function as important mediators of signal transduction by growth factor receptors. ERK1/ERK2-dependent activation of endogenous ribosomal transcription, while inactivation of ERK1/ERK2 causes an equally immediate reversion to the basal transcription level. ERK1/ERK2 was found to phosphorylate the architectural transcription factor UBF at amino acids 117 and 201 within HMG boxes 1 and 2, preventing their interaction with DNA. Mutation of these sites inhibited transcription activation and abrogated the transcriptional response to ERK1/ERK2.

Reference

Anti-MAPK1/3 Antibody被引用在3文献中。

Selected Validation Data

WB: HELA Cell Lysate

