

## ERK1 mouse mAb(5E9) antibody

Catalog No :	Source:	Concentration :	Mol.Wt. (Da):
A14225	Mouse	1 mg/ml	
<b>Applications</b>	IF,IHC		
<b>Reactivity</b>	Human,Rat,Mouse		
<b>Dilution</b>	IF: 1:50-200 IHC 1:100-200		
<b>Storage</b>	-20°C/1 year		
<b>Specificity</b>	ERK1 protein detects endogenous levels of MAPK3		
<b>Source / Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.		
<b>Immunogen</b>	Recombinant Protein of ERK1 of MAPK3		
<b>Uniprot No</b>	P27361		
<b>Alternative names</b>	MAPK3		
<b>Form</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.		
<b>Clonality</b>	Monoclonal		
<b>Isotype</b>	IgG		
<b>Conjugation</b>			
<b>Background</b>	mitogen-activated protein kinase 3(MAPK3) Homo sapiens The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. [provided by RefSeq, Jul 2008],		
<b>Other</b>	MAPK3, MAPK3		
<b>Product Images:</b>			

Application Key:

WB-Western IP-Immunoprecipitation IHC-Immunohistochemistry ChIP-Chromatin Immunoprecipitation  
IF-Immunofluorescence F-Flow Cytometry E-P-ELISA-Peptide

**Species Cross-Reactivity Key:**

H-Human M-Mouse R-Rat Hm-Hamster Mk-Monkey Vir-Virus Mi-Mink C-Chicken Dm-D. melanogaster  
X-Xenopus Z-Zebrafish B-Bovine Dg-Dog Pg-Pig Sc-S. cerevisiae Ce-C. elegans Hr-Horse All-All  
Species Expected

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*For life science research only. Not for use in diagnostic procedures.*

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