Best Tools for immunology Research

ERK3 protein

Catalog No :	YD0030
Reactivity :	Human
Applications :	WB;SDS-PAGE
Gene Name :	MAPK6
Protein Name :	ERK3 protein
Sequence :	Amino acid: 538-721, with his-MBP tag.
Human Gene Id :	5597
Human Swiss Prot No :	Q16659
Mouse Swiss Prot No :	Q61532
Formulation :	Liquid in PBS
Source :	E.coli
Dilution :	WB 1:500-2000
Concentration :	SDS-PAGE >90%
Storage Stability :	-20°C/6 month,-80°C for long storage
Background :	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,domain:The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases.,enzyme regulation:Activated by threonine and tyrosine phosphorylation.,function:Phosphorylates microtubule-associated protein 2 (MAP2). May promote entry in the cell cycle.,PTM:Dually phosphorylated on Thr-626 and Tyr-628, which activates the enzyme.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MAP kinase subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Highest expression in the skeletal muscle, followed by the brain. Also found in heart, placenta, lung, liver, pancreas, kidney and skin fibroblasts.,

Function :	protein amino acid phosphorylation, phosphorus metabolic process, phosphate metabolic process, cell cycle,phosphorylation,
Subcellular Location :	Cytoplasm . Nucleus . Translocates to the cytoplasm following interaction with MAPKAPK5. .
Expression :	Highest expression in the skeletal muscle, followed by the brain. Also found in heart, placenta, lung, liver, pancreas, kidney and skin fibroblasts.
Sort :	993
Host :	Rabbit

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