Best Tools for immunology Research

MEK1 protein

Catalog No :	YD0064
Reactivity :	Human
Applications :	WB;SDS-PAGE
Gene Name :	MAP2K1
Protein Name :	MEK1 protein
Sequence :	Amino acid: 181-393, with his-MBP tag.
Human Gene Id :	5604
Human Swiss Prot No :	Q02750
Mouse Swiss Prot No :	P31938
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
Function :	M phase of mitotic cell cycle, MAPKKK cascade, activation of MAPK activity, mitotic cell cycle, M phase, nuclear division,cell morphogenesis, regulation of vascular smooth muscle contraction, regulation of transcription, DNA-dependent,regulation of transcription from RNA polymerase II promoter, protein complex assembly, protein amino acid phosphorylation, phosphorus metabolic process, phosphate metabolic process, cell motion, chemotaxis, regulation of muscle contraction, regulation of smooth muscle contraction, response to oxidative stress, microtubule-based process,microtubule-based movement, Golgi organization, cell cycle, mitosis, negative regulation of cell adhesion, intracellular signaling cascade, protein kinase cascade, small GTPase mediated signal

transduction, Ras protein signal transduction, ectoderm development, behavior, locomotory behavior, cell proliferation, epidermis deve

Subcellular Location : Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, microtubule organizing center, spindle pole body . Cytoplasm . Nucleus . Membrane ; Peripheral membrane protein . Localizes at centrosomes during prometaphase, midzone during anaphase and midbody during telophase/cytokinesis (PubMed:14737111). Membrane localization is probably regulated by its interaction with KSR1 (PubMed:10409742). .

Expression : Widely expressed, with extremely low levels in brain.

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