p38 Mouse mAb

E220208799

Swiss-Prot No.:	Q16539
Alternname:	MAPK14
Storage/Stability:	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Immunogen:	Purified recombinant fragment of human MAPK14 (AA: 299-360) expressed in E. Coli.
Purification:	Affinity purified
Reactivity:	Human,Mouse,Monkey,Rat
Other Names:	RK; p38; CSBP; EXIP; Mxi2; CSBP1; CSBP2; CSPB1; PRKM14; PRKM15; SAPK2A; p38ALPHA
Background:	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53,

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	which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response. Four alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.
Gene ID:	1432
Cellular localization:	Cytoplasm, Nucleus
Source:	Mouse
Antibody type:	Monclonal antibody
Isotype:	Mouse IgG1
Molecular Weight:	41.3kDa
Preservative:	Purified antibody in PBS with 0.05% sodium azide
Recommended Dilutions:	WB: 1/500 - 1/2000; IHC: 1/200 - 1/1000; ICC: N/A; FCM: N/A; Elisa: 1/10000
Clone Number:	6E9-E7-F4