Product name:	p38 (phospho Thr180/Y182) rabbit Monoclonal Antibody
Cat number:	MAB-94216
Conjugate:	unconjugated
Size:	100 ug
Clone:	12F8
Concentration:	1 mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human p38 MAPK around the phosphorylation site of Thr179 and Tyr181. AA range:151-200
Reactivity:	Human;Mouse;Rat;Guineapig
Applications:	IF/ICC 1:100-500;WB 1:500-2000;Flow Cyt 1:50-200;IHC-p 1:100-500;ELISA 1:5000-20000
Molecular Weight:	38kD
Purification:	The antibody was affinity-purified fromrabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form:	liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5%BSAand0.02% sodium azide.
Storage:	-20°C/1 year
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, 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 d