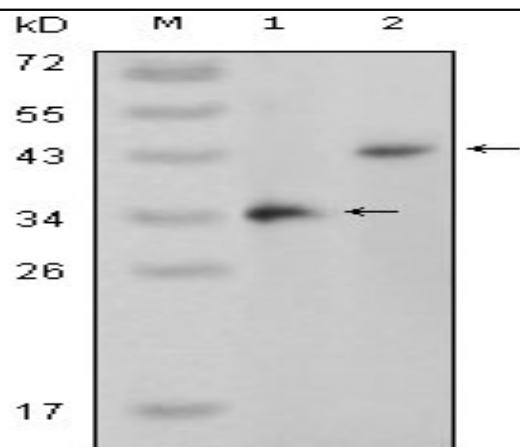


p38 β Monoclonal Antibody

Catalog No :	YM0498
Reactivity :	Human
Applications :	WB;ELISA
Target :	p38 β
Fields :	>>Endocrine resistance;>>MAPK signaling pathway;>>Rap1 signaling pathway;>>FoxO signaling pathway;>>Sphingolipid signaling pathway;>>Oocyte meiosis;>>Cellular senescence;>>Adrenergic signaling in cardiomyocytes;>>VEGF signaling pathway;>>Osteoclast differentiation;>>Signaling pathways regulating pluripotency of stem cells;>>Platelet activation;>>Neutrophil extracellular trap formation;>>Toll-like receptor signaling pathway;>>NOD-like receptor signaling pathway;>>RIG-I-like receptor signaling pathway;>>C-type lectin receptor signaling pathway;>>IL-17 signaling pathway;>>Th1 and Th2 cell differentiation;>>Th17 cell differentiation;>>T cell receptor signaling pathway;>>Fc epsilon RI signaling pathway;>>TNF signaling pathway;>>Leukocyte transendothelial migration;>>Thermogenesis;>>Neurotrophin signaling pathway;>>Retrograde endocannabinoid signaling;>>Dopaminergic synapse;>>Inflammatory mediator regulation of TRP channels;>>GnRH signaling pathway;>>Progesterone-mediated oocyte maturation;>
Gene Name :	MAPK11
Protein Name :	Mitogen-activated protein kinase 11
Human Gene Id :	5600
Human Swiss Prot No :	Q15759
Mouse Swiss Prot No :	Q9WUI1
Immunogen :	Purified recombinant fragment of p38 β (aa251-363) expressed in E. Coli.
Specificity :	p38 β Monoclonal Antibody detects endogenous levels of p38 β protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source :	Monoclonal, Mouse
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	Affinity purification
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	41kD
Cell Pathway :	Cell Growth
P References :	<ol style="list-style-type: none"> 1. Mol Cell Biol. 2005 Dec;25(23):10454-64. 2. Biol Reprod. 2005 Dec;73(6):1282-8. Epub 2005 Aug 24.
Background :	<p>This gene encodes a member of a family of protein kinases that are involved in the integration of biochemical signals for a wide variety of cellular processes, including cell proliferation, differentiation, transcriptional regulation, and development. The encoded protein can be activated by proinflammatory cytokines and environmental stresses through phosphorylation by mitogen activated protein kinase kinases (MKKs). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014],</p>
Function :	<p>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 phosphorylation on threonine and tyrosine by MKK6. Inhibited by pyridinyl-imidazole related compounds.,function:Kinase involved in a signal transduction pathway that is activated by changes in the osmolarity of the extracellular environment, by cytokines, or by environmental stress. Phosphorylates preferentially transcription factor ATF2.,PTM:Dually phosphorylated on Thr-180 and Tyr-182, 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 levels in the brain and heart. Also expressed in the placenta, lung, l</p>
Subcellular Location :	Cytoplasm . Nucleus .
Expression :	Highest levels in the brain and heart. Also expressed in the placenta, lung, liver, skeletal muscle, kidney and pancreas.

Products Images



Western Blot analysis using p38 β Monoclonal Antibody against truncated p38 β recombinant protein (1) and full-length p38 β (aa1-363)-pcDNA3.1 transfected CHO-K1 cell lysate (2).