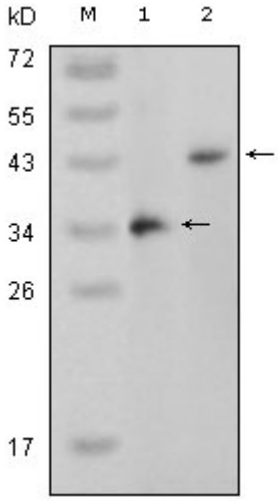
p38β Monoclonal Antibody

Catalog No	YP-Ab-14180
Isotype	IgG
Reactivity	Human
Applications	WB;ELISA
Gene Name	MAPK11
Protein Name	Mitogen-activated protein kinase 11
Immunogen	Purified recombinant fragment of p38β (aa251-363) expressed in E. Coli.
Specificity	p38β Monoclonal Antibody detects endogenous levels of p38β protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MAPK11; PRKM11; SAPK2; SAPK2B; Mitogen-activated protein kinase 11; MAP kinase 11; MAPK 11; Mitogen-activated protein kinase p38 beta; MAP kinase p38 beta; p38b; Stress-activated protein kinase 2b; SAPK2b; p38-2
Observed Band	
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Highest levels in the brain and heart. Also expressed in the placenta, lung, liver, skeletal muscle, kidney and pancreas.
Function	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

Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using p38β Monoclonal Antibody against truncated p38β recombinant protein (1) and full-length p38β (aa1-363)-pcDNA3.1 transfected CHO-K1 cell lysate (2).