

Product datasheet for **AP14127PU-N**

MAPK11 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western Blot.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the center region of human P38beta.
Specificity:	This antibody reacts to p38 beta.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mitogen-activated protein kinase 11
Database Link:	Entrez Gene 5600 Human Q15759



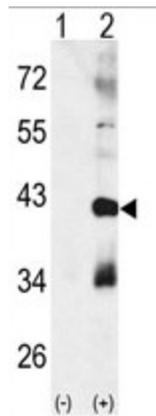
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Background:

P38 beta is a member of the MAP kinase subfamily of Ser/Thr protein kinases. 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 closely related to p38 MAP kinase, both of which can be activated by changes in osmolarity of the extracellular environment, proinflammatory cytokines and cellular stress. This protein preferentially phosphorylates transcription factor ATF2. It is activated by phosphorylation on threonine and tyrosine by MKK6, and inhibited by pyridinyl-imidazole related compounds. Highest levels of expression are found in the brain and heart, with additional expression in the placenta, lung, liver, skeletal muscle, kidney and pancreas.

Synonyms:

PRKM11, SAPK2, Mitogen-activated protein kinase 11, p38-2, Stress-activated protein kinase 2

Product images:

Western blot analysis of CTDSP1 (arrow) using rabbit polyclonal p38 beta Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CTDSP1 gene (Lane 2)