

Product datasheet for **AP05898PU-N**

p38 (MAPK14) pThr180/pTyr182 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1/1000. This p38 MAPK antibody Recognises a band of approximately 39kD in Western blots of anisomycin C-6 glioma cell lysates. For the detection of phosphoproteins, Threonine and Tyrosine phosphatase inhibitors such as 10mM Sodium Fluoride and 1mM Sodium Orthovanadate should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a phosphoprotein and its use can result in high background.
Reactivity:	Bovine, Canine, Chicken, Human, Monkey, Mouse, Rat, Zebrafish
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide corresponding to an amino acid sequence within p38 MAPK which includes phosphorylated Thr180 and Tyr182.
Specificity:	This antibody is specific for p38 mitogen-activated protein kinase (p38 MAPK), also known as MAPK14, when phosphorylated at Threonine 180 and Tyrosine 182.
Formulation:	10mM HEPES, pH 7.5 State: Purified State: Liquid purified IgG fraction Stabilizer: 0.01% BSA, 50% Glycerol Preservative: 0.09% Sodium Azide
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store 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 14



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Database Link: [Entrez Gene 1432 Human](#)
[Q16539](#)

Background: p38 MAPK is a serine/threonine kinase which plays an important role in signal transduction, contributing to the regulation of many cellular processes including cell differentiation and inflammation. The protein is activated by phosphorylation of threonine 180 and tyrosine 182, by several upstream kinases, in response to a wide range of extracellular stimuli such as UV B irradiation or endotoxin exposure.

Synonyms: Mitogen-activated protein kinase 14, p38 alpha, MXI2, SAPK2A, CSBP, CSBP1, CSBP2, CSPB1