

Product datasheet for **AP00039PU-N**

p38 (MAPK14) Rabbit Polyclonal Antibody

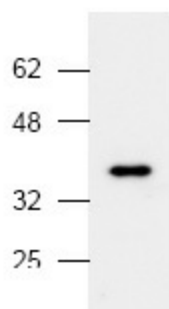
Product data:

Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	Western blotting (0.5-4.0 µg/ml). Immunoprecipitation (10-20 µg/ml). Immunohistochemistry (10-20 µg/ml).
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide mapping to the N-terminus of human p38 MAP kinase
Specificity:	The antibody detects p38 MAP kinase. It does not cross-react with either JNK/SAPK or p44/42 MAP kinase.
Formulation:	PBS containing 30 % glycerol, 0.5 % BSA, and 0.01 % thimerosal State: Aff - Purified State: Liquid affinity purified Ig fraction
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted (in aliquots) at -20°C to -70 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	mitogen-activated protein kinase 14
Database Link:	Entrez Gene 26416 Mouse Entrez Gene 81649 Rat Entrez Gene 1432 Human Q16539
Background:	p38 MAP kinase is the mammalian homologue of the yeast HOG kinase and participates in a cascade controlling cell cellular responses to cytokines and stress. Like the SAPK/JNK pathway, p38 MAP kinase is activated by a variety of cellular stresses including inflammatory cytokines, UV light and growth factors, etc. Activated p38 MAP kinase has been shown to phosphorylate and activate MAPKAP kinase-2 and to phosphorylate the transcription factors ATF-2 and Max.



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Synonyms:	Mitogen-activated protein kinase 14, p38 alpha, MXI2, SAPK2A, CSBP, CSBP1, CSBP2, CSPB1
Note:	Blocking peptide (Cat. no. AP00039CP-N) is available separately.
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Amyotrophic lateral sclerosis (ALS), Epithelial cell signaling in Helicobacter pylori infection, Fc epsilon RI signaling pathway, GnRH signaling pathway, Leukocyte transendothelial migration, MAPK signaling pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Progesterone-mediated oocyte maturation, RIG-I-like receptor signaling pathway, T cell receptor signaling pathway, Toll-like receptor signaling pathway, VEGF signaling pathway

Product images:

Western blot analysis of p38 MAP kinase in Jurkat cell lysate using antibody