

Product datasheet for **AP00176PU-N**

p38 (MAPK14) pThr180/pTyr182 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	Western Blot: 0.5-4 µg/ml. Immunoprecipitation: 10-20 mg/ml. Immunohistochemistry: 10-20 mg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic phospho-peptide surrounding amino acid Thr180/Tyr182 of human p38 MAP kinase.
Specificity:	The antibody recognizes 43 kDa phosphorylated p38 (Thr180/Tyr182) MAP kinase
Formulation:	PBS containing 50% Glycerol, 1% BSA as stabilizer and 0.02 % Thimerosal as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -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 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.



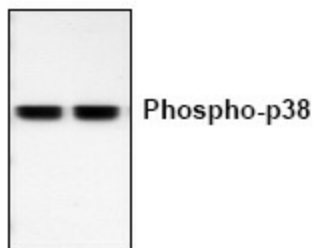
[View online »](#)

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

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 extracts from 0.5 hr (Left lane) and 1 hr (right lane) UV treated 3T3 cells.