

<b>Cat. No:</b>	AB-83572
<b>Size:</b>	100 ug
<b>Clone:</b>	POLY
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Rb
<b>Isotype:</b>	IgG
<b>Reactivity:</b>	Hu, Ms, Rt
<b>Applications:</b>	Western blot: 1:1000 Immunohistochemistry: 1:50-1:200 Immunofluorescence: 1:50-1:100 Immunoprecipitation: 1:50-1:100
<b>Molecular Weight:</b>	41kDa
<b>Purification:</b>	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence of human p38 MAPK. Antibodies are purified by protein A and peptide affinity chromatography.
<b>Background:</b>	p38 MAP kinase (MAPK), also called RK (1) or CSBP (2), is the mammalian orthologue of the yeast HOG kinase that participates in a signaling cascade controlling cellular responses to cytokines and stress (1- 4). Four isoforms of p38 MAP kinase, p38 $\alpha$ , $\beta$ , $\gamma$ (also known as ERK6 or SAPK3) and $\delta$ (also known as SAPK4) have been identified. Similar to the SAPK/JNK pathway, p38 MAP kinase is activated by a variety of cellular stresses including osmotic shock, inflammatory cytokines, lipopolysaccharides (LPS), UV light and growth factors (1-5). MKK3, MKK6 and SEK activate p38 MAP kinase by phosphorylation at Thr180 and Tyr182. Activated p38 MAP kinase has been shown to phosphorylate and activate MAPKAP kinase 2 (3) and to phosphorylate the transcription factors ATF-2 (5), Max (6) and MEF2 (5-8). p38 MAP Kinase Antibody detects endogenous levels of total p38 $\alpha$ , - $\beta$ or - $\gamma$ MAPK protein. This antibody does not recognize p38 $\delta$ , JNK/SAPK or p44/42 MAPK.
<b>Form:</b>	Liquid
<b>Buffer:</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
<b>Storage:</b>	Store at -20°C, and avoid repeat freeze-thaw cycles

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