

Anti-P38 MAPK Antibody (6G352)

Product Details

Ig Type:	IgG1
Reactivity:	Human (predicted:Mouse,Rat,Rabbit,Cow)
Molecular Weight:	Theoretical: 42 kDa. Actual: 40 kDa.
Clone:	6G352
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: k562 (human) Cell Lysate at 30 µg Primary: Anti-P38 MAPK (TMAB-09866) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 42 kD Observed band size: 40 kD
	2. Sample: U937 (Human) Cell Lysate at 30 µg Molt-4 (Human) Cell Lysate at 30 µg Primary: Anti-P38 MAPK (TMAB-09866) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 42 kD Observed band size: 40 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human P38 MAPK Protein
Antigen Species:	Human
Gene ID:	1432
Uniprot ID:	Q16539

Research Background

The protein encoded by this gene is a member of the MAP kinase family. 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 activated by various environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases(MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor

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p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response. Four alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481