



P38 MAPK (Phospho-Tyr322) Antibody

#12253

Catalog Number: 12253-1, 12253-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : Q16539

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human p38 MAPK around the phosphorylation site of tyrosine 322

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

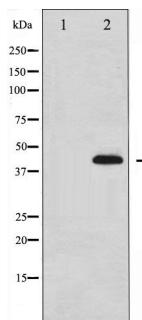
Specificity/Sensitivity: p38 MAPK (phospho-Tyr322) antibody detects endogenous levels of p38 MAPK only when phosphorylated at tyrosine 322

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 43kd

WB: 1:500~1:1000 IHC: 1:50~1:100



Western blot analysis of p38 MAPK phosphorylation expression in Jurkat whole cell lysates. The lane on the left is treated with the antigen-specific peptide.

Background :

Responds to activation by environmental stress, pro-inflammatory cytokines and lipopolysaccharide (LPS) by phosphorylating a number of transcription factors, such as ELK1 and ATF2 and several downstream kinases, such as MAPKAPK2 and MAPKAPK5. Plays a critical role in the production of some cytokines, for example IL-6. May play a role in stabilization of EPO mRNA during hypoxic stress. Isoform Mxi2 activation is stimulated by mitogens and oxidative stress and only poorly phosphorylates ELK1 and ATF2. Isoform Exip may play a role in the early onset of apoptosis.