P38 MAPK(Ab-182) Antibody

#21245

Catalog Number: 21245-1, 21245-2

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℃/1 year

Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from human p38 MAPK around the phosphorylation site of tyrosine 182 (T-G-Y^P-V-A).

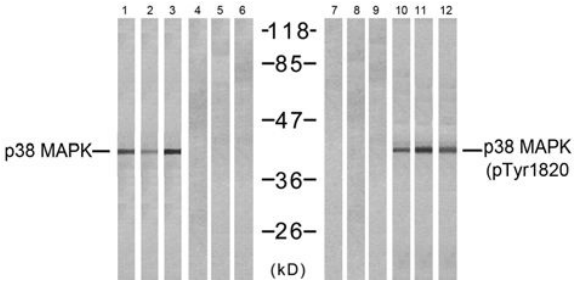
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Specificity/Sensitivity: p38 MAPK (Ab-182) antibody detects endogenous levels of total p38 MAPK protein

Reactivity: Human,Mouse, Rat

Applications:

Predicted MW: 43kd WB: 1:500~1:1000 IHC: 1:50~1:100



UV	- - - - - - - - + + - +
Peptide	- - - + + + - - - - - -

Western blot analysis of extracts from NIH-3T3 (Line 1, 4, 7 and 10) and cos7 (Line 2, 5, 8 and 11 and K562 (Line 3, 6, 9 and 12) cells, untreated or treated with UV (20min), using P38 MAPK (Ab-182) antibody (#21245, Lane 1, 2,3, 4, 5 and 6) and P38 MAPK (phospho- Tyr182) antibody (#11253, Lane 7, 8, 9, 10, 11 and12).

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.