



MAPK5 (Phospho-Thr182) Antibody

#14102

Catalog Number: 14102-1, 14102-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : Q8IW41

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 MAPK5 around the phosphorylation site of Threonine 182

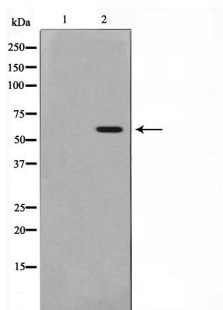
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Specificity/Sensitivity: MAPK5 (Phospho-Thr182) antibody detects endogenous levels of MAPK5 only when phosphorylated at Threonine 182

Reactivity: Human, Mouse

Applications:

Predicted MW: 60kd WB: 1:500~1:2000 IHC: 1:50-200



Western blot analysis on K562 cell lysate
using Phospho-MAPKAPK5(Thr182) Antibody

Background :

The protein encoded by this gene is a member of the serine/threonine kinase family. In response to cellular stress and proinflammatory cytokines, this kinase is activated through its phosphorylation by MAP kinases including MAPK1/ERK, MAPK14/p38-alpha, and MAPK11/p38-beta. In vitro, this kinase phosphorylates heat shock protein HSP27 at its physiologically relevant sites. Two alternately spliced transcript variants of this gene encoding distinct isoforms have been reported.