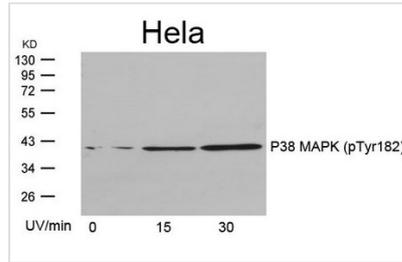


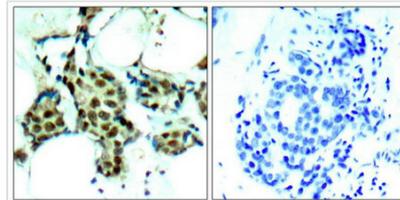


Phospho-MAPK14 (Tyr182) Antibody

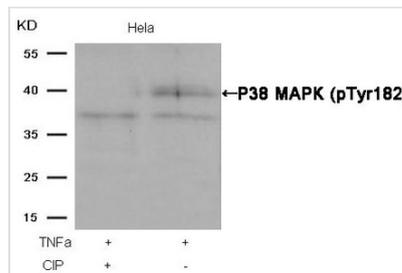
Product Code	CSB-PA781965
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q16539
Immunogen	Peptide sequence around phosphorylation site of tyrosine 182 (T-G-Y(p)-V-A) derived from Human P38 MAPK.
Raised In	Rabbit
Species Reactivity	Human, Mouse, Rat
Specificity	The antibody detects endogenous level of P38MAPK only when phosphorylated at tyrosine 182.
Tested Applications	ELISA, WB, IHC; WB: 1:500-1:1000, IHC: 1:50-1:100
Relevance	<p>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.</p> <p>Ming Zheng, et al. (2005) The FASEB Journal. 19: 109-111 Bernt van den et al. (2001) Blink Immunology, 166: 582-587 Arshad Rahman, et al. (2004) Am J Physiol Lung Cell Mol Physiol 287: L1017-L1024 Osamu Yoshino, et al. (2003) Endocrinology & Metabolism Vol. 88: 2236-2241</p>
Form	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography
Clonality	Polyclonal
Alias	MAPK2; MAPKAPK-2; MAPKAPK2
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	MAPK14
Image	



Western blot analysis of extracts from HeLa cells untreated or treated with UV for the indicated times, using P38 MAPK(Phospho-Tyr182) Antibody.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using P38 MAPK(Phospho-Tyr182) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of extracts from HeLa cells, treated with TNFα or calf intestinal phosphatase (CIP), using P38 MAPK (Phospho-Tyr182) Antibody.

Product Modify

Phospho-Tyr182