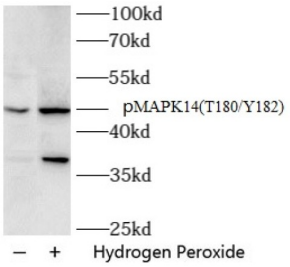
Mitogen-Activated Protein Kinase 14 Phospho-Thr180/Tyr182 (MAPK14 pT180/Y182) Antibody

Catalogue No.:abx020091



WB analysis of HeLa cells, using MAPK14 pT180/Y182 antibody (1/1000 dilution).

Mitogen-Activated Protein Kinase 14 Phospho-Thr180/Tyr182 (MAPK14 pT180/Y182) Antibody is a Rabbit Polyclonal antibody for the detection of Phospho- MAPK14 (T180/Y182).

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 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.

Target:	Mitogen-Activated Protein Kinase 14 Phospho-Thr180/Tyr182 (MAPK14 pT180/Y182)
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic phosphorylated peptide around T180 & Y182 of human p38 MAPK
Isotype:	IgG
Form:	Liquid

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Purity:	≥ 95% (SDS-PAGE)
Purification:	Purified by immunogen affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
Validity:	12 months.
UniProt Primary AC:	Q16539 (UniProt, ExPASy)
Gene Symbol:	MAPK14
GeneID:	1432
OMIM:	600289
HGNC:	6876
KEGG:	hsa:1432
Ensembl:	ENSG00000112062
String:	9606.ENSP00000229795
Molecular Weight:	Observed MW: 41 kDa
Buffer:	PBS, pH 7.3, with 0.02% sodium azide and 50% glycerol.
Concentration:	2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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