# p38 (phospho Thr180/Y182) rabbit pAb

## Cat#: orb764306 (Manual)

For research use only. Not intended for diagnostic use.

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| **Product Name** | p38 (phospho Thr180/Y182) rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | IF;WB;Flow Cyt;IHC;ELISA |
| **Species Cross-Reactivity** | Human;Mouse;Rat;Guineapig |
| **Recommended dilutions** | IF/ICC 1:100-500;WB 1:500-2000;Flow Cyt 1:50-200;IHC-p 1:100-500;ELISA 1:5000-20000 |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human p38 MAPK around the phosphorylation site of Thr179 and Tyr181. AA range:151-200 |
| **Specificity** | Phospho-p38 (T180/Y182) Polyclonal Antibody detects endogenous levels of p38 protein only when phosphorylated at T180/Y182. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | Mitogen-activated protein kinase 14 |
| **Gene Name** | MAPK14 |
| **Cellular localization** | Cytoplasm . Nucleus . |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |

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| **Concentration** | 1 mg/ml |
| **Observed band** | 38kD |
| **Human Gene ID** | 1432 |
| **Human Swiss-Prot Number** | Q16539 |
| **Alternative Names** | MAPK14; CSBP; CSBP1; CSBP2; CSPB1; MXI2; SAPK2A; Mitogen-activated protein kinase 14; MAP kinase 14; MAPK 14; Cytokine suppressive anti-inflammatory drug-binding protein; CSAID-binding protein; CSBP; MAP kinase MXI2; MAX-interacting protein |
| **Background** | 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 d |

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