

# Anti-p38 $\alpha$ MAP Kinase (Tyr-323), Phosphospecific Antibody

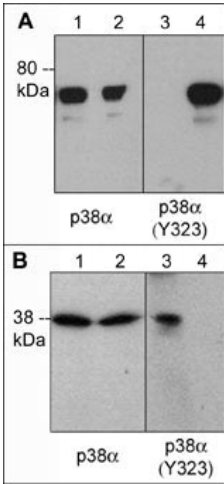


## Product Details

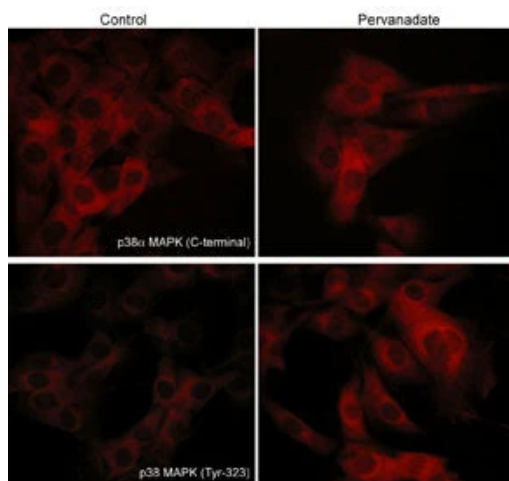
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 100 $\mu$ L (SKU:PP3411)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Conjugate          | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Gene Name          | Mapk14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Host Species       | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Format             | Antigen Affinity Purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Physical State     | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Buffer             | PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applications       | ELISA, ICC, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Dilution Ranges    | WB: 1:1000<br>ICC: 1:300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Species Reactivity | Chicken, Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Immunogen          | Phospho-p38 $\alpha$ MAP Kinase (Tyr-323) synthetic peptide (coupled to KLH) corresponding to amino acid residues surrounding tyrosine 323 in mouse p38 $\alpha$ . This peptide sequence is highly conserved in human and rat p38 $\alpha$ , and has high homology to the conserved site in p38 $\beta$ .                                                                                                                                                                                                                                                            |
| Specificity        | This antibody was cross-adsorbed to a phospho-tyrosine peptide before affinity purification using phospho-p38 $\alpha$ (Tyr-323) peptide (without carrier). The antibody detects a 38 kDa* band corresponding to p38 $\alpha$ on SDS-PAGE immunoblots of human Jurkat, K562, and mouse macrophage (J774A.1) cells treated with pervanadate. In addition, the antibody detects recombinant p38 MAP Kinase when treated with Fyn kinase (The in vitro kinase model was kindly provided by Dr. Paul Mittelstadt from the Laboratory of Immune Cell Biology at the NCI.) |

|                                                |                                                                                                                                                                        |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>                        | 38                                                                                                                                                                     |
| <b>Quality Control</b>                         | Western blots performed on each lot.                                                                                                                                   |
| <b>Storage</b>                                 | Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.                 |
| <b>UniProt ID</b>                              | <u><a href="#">P47811</a></u>                                                                                                                                          |
| <b>Country of Origin</b>                       | United States                                                                                                                                                          |
| <b>Shipping</b>                                | Blue Ice                                                                                                                                                               |
| <b>Expiration</b>                              | After date of receipt, stable for at least 1 year at -20°C.                                                                                                            |
| <b>Usage Statement</b>                         | For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website. |
| <b>Post Translational Modification Type</b>    | Phosphorylated                                                                                                                                                         |
| <b>Post Translational Modification Residue</b> | Tyr-323                                                                                                                                                                |

Product Images



A) Western blot image of GST-recombinant p38 (K53M) mutant kinase untreated (lanes 1 & 3) or treated with Fyn kinase (lanes 2 & 4). B) Western blot analysis of p38 phosphorylation in mouse macrophages stimulated with 1 mM pervanadate for 30 min. (lanes 1 & 3) then the blot was treated with alkaline phosphatase (lanes 2 & 4). Both blots were probed with anti-p38α (a.a. 319-328) (lanes 1 & 2) or anti-p38α (Tyr-323) (lanes 3 & 4).



Immunocytochemical labeling of p38 MAPK in pervanadate-treated mouse C2C12. The cells were labeled with mouse monoclonal p38 $\alpha$  MAPK and rabbit polyclonal p38 MAPK (Tyr-323) antibodies, then the antibodies were detected using appropriate secondary antibodies conjugated to Cy3.

**Product Page URL:** [www.antibodiesinc.com/products/anti-p38a-map-kinase-tyr-323-phosphospecific-antibody-pp3411](http://www.antibodiesinc.com/products/anti-p38a-map-kinase-tyr-323-phosphospecific-antibody-pp3411)



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