

## Anti-TAK1/MAP3K7 Antibody Picoband® Cy3 Conjugated

Catalog Number: PB10006-Cy3

### About MAP3K7

Mitogen-activated protein kinase kinase kinase 7, also known as TAK1, is an enzyme that in humans is encoded by the MAP3K7 gene. The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-TAK1/MAP3K7 Antibody Picoband® Cy3 Conjugated  |
| Reactive Species     | Human, Mouse, Rat   |
| Application          | Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, ICC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .  |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Rabbit  |
| Uniprot ID           | O43318  |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | A synthetic peptide corresponding to a sequence at the C-terminus of human TAK1, identical to the related mouse and rat sequences. |
| Cross Reactivity | No cross-reactivity with other proteins  |
| Isotype          | Rabbit IgG   |
| Form             | Liquid   |
| Concentration    | 0.5 mg/mL  |
| Purification     | Immunogen affinity purified.   |
| Conjugate        | Cy3<br>Excitation Wavelength: 554 nm<br>Emission Wavelength: 568 nm  |

Suggested Dilutions

Optimal dilutions should be determined by end users.

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-TAK1/MAP3K7 Antibody - Cy3

For Research Use Only. Not for use in diagnostic procedures.