TAK1 Polyclonal ANTIBODY
Catalog Number: 12330-2-AP

Basic Information
Catalog Number: 12330-2-AP
Size: 43 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG3041
GenBank Accession Number: BC017715
GeneID (NCBI): 6885
Full Name: mitogen-activated protein kinase kinase kinase 7
Calculat ed MW: 579aa, 64 kDa
Observed MW: 64 kDa

Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:100-1:400

Applications
Tested Applications: IHC, WB, ELISA
Cited Applications: WB
Species Specificity: human, hamster, mouse
Cited Species: human
Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information
MAP3K7 (mitogen-activated protein kinase kinase kinase 7) is also named as TAK1 and belongs to the MAP kinase kinase kinase subfamily. It plays an important role in the cascades of cellular responses evoked by changes in the environment. It has been linked to interleukin-1 receptor and tumor necrosis factor receptor signaling (PMID: 16186825). It has 4 isoforms (53055 kDa; 64-70 kDa and 75-80 kDa) produced by alternative splicing.

Notable Publications
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<th>Author</th>
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<tbody>
<tr>
<td>Yangwei Fan</td>
<td>30462562</td>
<td>Cancer Biol Ther</td>
<td>WB</td>
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<tr>
<td>Huaxin Zhou</td>
<td>2590992</td>
<td>FASEB J</td>
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<tr>
<td>Zhangchuan X</td>
<td>2826387</td>
<td>J Immunol</td>
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Storage
Store at -20°C. Stable for one year after shipment.
Storage Buffer: PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
CHO cells were subjected to SDS PAGE followed by western blot with 12330-2-AP (TAK1 antibody) at a dilution of 1:1000, incubated at room temperature for 1.5 hours.

Immunohistochemistry of paraffin-embedded human prostate cancer tissue slide using 12330-2-AP (TAK1 antibody at a dilution of 1:200 (under 10x lens), heat-mediated antigen retrieved with Tris-EDTA buffer pH 9).

Immunohistochemistry of paraffin-embedded human prostate cancer tissue slide using 12330-2-AP (TAK1 antibody at a dilution of 1:200 (under 40x lens), heat-mediated antigen retrieved with Tris-EDTA buffer pH 9).