

For Research Use Only

# TAK1 Polyclonal ANTIBODY



Catalog Number: 12330-2-AP

Featured Product

11 Publications

## Basic Information

**Catalog Number:**

12330-2-AP

**Size:**

150UL, Concentration: 287 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3041

**GenBank Accession Number:**

BC017715

**GeneID (NCBI):**

6885

**Full Name:**

mitogen-activated protein kinase kinase kinase 7

**Calculated MW:**

579 aa, 64 kDa

**Observed MW:**

64-67 kDa, 75-80 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:100-1:400

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

IP, WB

**Species Specificity:**

human, hamster, mouse

**Cited Species:**

human, Miiuy croaker, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB: NIH/3T3 cells, MCF-7 cells, HeLa cells, mouse heart tissue, A2780 cells, CHO cells, SKOV-3 cells, K-562 cells, A375 cells, A431 cells, COLO 320 cells

IHC: human prostate cancer tissue, human brain tissue, mouse brain tissue

## 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 (53-55 kDa; 64-70 kDa and 75-80 kDa) produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yangwei Fan	30462562	Cancer Biol Ther	WB
Huaxin Zhou	25993992	FASEB J	WB
Xuan Huang	31070748	J Mol Cell Biol	IP

## Storage

**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

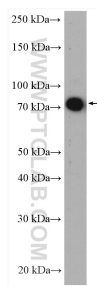
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

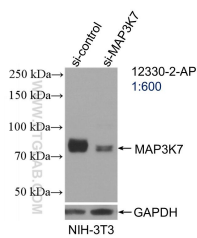
E: proteintech@ptglab.com  
W: ptglab.com

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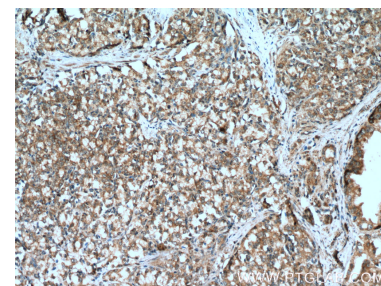
## Selected Validation Data



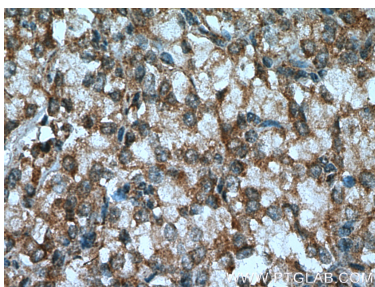
NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 12330-2-AP (TAK1 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



WB result of TAK1 antibody (12330-2-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-TAK1 transfected NIH/3T3 cells.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12330-2-AP (TAK1 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12330-2-AP (TAK1 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).