

Tak1(Phospho Thr187) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01688
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human MAP3K7 around the phosphorylation site of Thr187. AA range:161-210
Mol wt	67196
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Mitogen-activated protein kinase kinase kinase 7
Synonyms	Mitogen-activated protein kinase kinase kinase 7; MAP3K7; TAK1; Mitogen-activated protein kinase kinase kinase 7; Transforming growth factor-beta-activated kinase 1; TGF-beta-activated kinase 1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

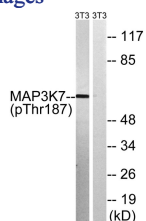
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

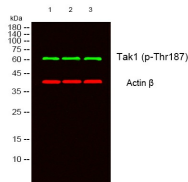
ELISA: 1: 10000

Not yet tested in other applications.

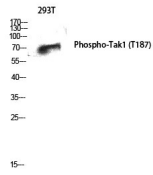
Images



Western Blot analysis of 293T cells using Phospho-Tak1 (T187) Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from NIH/3T3 cells treated with heat shock, using MAP3K7 (Phospho-Thr187) Antibody. The lane on the right is blocked with the phospho peptide.



Western blot analysis of lysates from 1) 293T, 2) 293T, 3) HeLa cells, (Green) primary antibody was diluted at 1:1000, 4°C overnight, secondary antibody was diluted at 1:10000, 37°C 1hour. (Red) Actin β Monoclonal Antibody(5B7) was diluted at 1:5000 as loading control, 4°C overnight, secondary antibody was diluted at 1:10000, 37°C 1hour.

Storage

-20°C for 1 year

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