

## Anti-Phospho-TAK1 (Thr184) Polyclonal Antibody

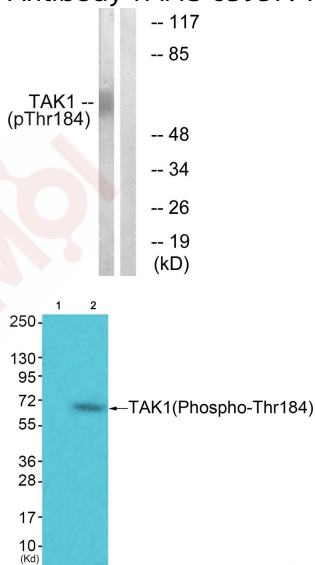
### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 65 kDa.
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

### Applications

#### Verified Activity:

1. Western blot analysis of extracts from HepG2 cells, treated with TNF (20ng/ml, 5mins), using TAK1 (Phospho-Thr184) antibody TMAC-03957. The lane on the right is treated with the synthesized peptide.
2. Western blot analysis of extracts from 293 cells (Lane 2), using TAK1 (Phospho-Thr184) Antibody TMAC-03957. The lane on the left is treated with synthesized peptide.



Application:	WB
Recommended	WB: 1:500-3000

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 184 (I-Q-T(p)-H-M) derived from Human TAK1
Antigen Species:	Human
Uniprot ID:	O43318
Synonyms:	Map3k7;MAPKKK7;TAK1 (p-Thr184);MAP3K 7;TGF beta activated kinase 1;Transforming growth factor-beta-activated kinase 1;Mitogen-activated protein kinase kinase kinase 7;TAK1 (p-T184);MEKK7;TGF1a;TAK1;TGF-beta-activated kinase 1;p-TAK1 (Thr184);p-TAK1 (T184);M3K7

### Research Background

Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. Plays an important role in the cascades of cellular responses evoked by changes in the environment. Mediates signal transduction of TRAF6, various cytokines including interleukin-1 (IL-1), transforming growth factor-beta (TGFB), TGFB-related factors like BMP2 and BMP4, toll-like receptors (TLR), tumor necrosis factor receptor CD40 and B-cell receptor (BCR). Ceramides are also able to activate MAP3K7/TAK1. Once activated, acts as an upstream activator of the MKK/JNK signal transduction cascade and the p38 MAPK signal transduction cascade through the phosphorylation and activation of several MAP kinase kinases like MAP2K1/MEK1, MAP2K3/MKK3, MAP2K6/MKK6 and MAP2K7/MKK7.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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