

Product datasheet for **TA306186**

TAK1 (MAP3K7) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1 - 4 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TAK1 antibody was raised against a synthetic peptide corresponding to 14 amino acids near the amino-terminus of human TAK1 isoform a.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	mitogen-activated protein kinase kinase kinase 7
Database Link:	BAA25025 Entrez Gene 6885 Human O43318

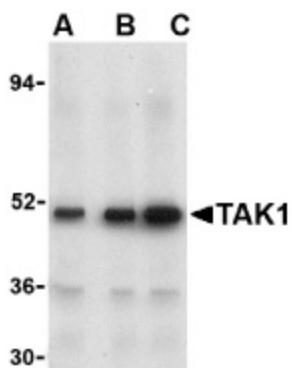
Background: TAK1 (TGF- β ; activated protein kinase 1) is a widely expressed enzyme originally identified as a mitogen-activated protein kinase kinase kinase (MAP3K7) (1). It has since been shown to mediate various intracellular signaling pathways, such as those induced by TGF- β and members of the Toll-IL-1R (TIR) superfamily (2), thus acting as an intermediate in both proliferative and innate and adaptive immune responses (3). TAK1 is normally present in cells in a complex with TAK1-binding protein 1 (TAB1) and either TAB2 or TAB3 (4,5). Association with TAB1 triggers TAK1 kinase activity by inducing TAK1 autophosphorylation (6), while TAB2 and possibly TAB3 may contribute to SAPK2a/p38a-mediated feedback inhibition of TAK1 activity (5).



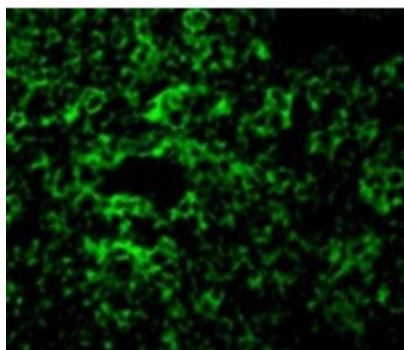
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Synonyms: MEKK7; TAK1; TGF1a

Product images:



Western blot analysis of TAK1 in Rat thymus cell lysate with TAK1 antibody at (A) 1, (B) 2, and (C) 4 ug/ml.



Immunofluorescence of TAK1 in Rat Thymus cells with TAK1 antibody at 10 ug/mL.