

TAK1 Antibody

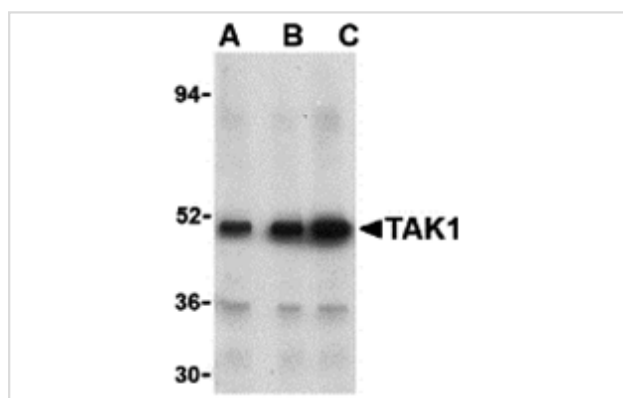
Catalog No: #24261

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Description

Product Name	TAK1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to 14 amino acids near the amino-terminus of human TAK1 isoform α .
Target Name	TAK1
Other Names	MAP3K7
Accession No.	Swiss-Prot:O43318Gene ID:6885
Uniprot	O43318
GeneID	6885;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C , stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of TAK1 in Rat thymus cell lysate with TAK1 antibody at (A) 1, (B) 2, and (C) 4 $\mu\text{g/mL}$.

Background

TAK1 (TGF- β activated protein kinase 1) is a widely expressed enzyme originally identified as a mitogen-activated protein kinase kinase kinase (MAP3K7). 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, thus acting as an intermediate in both proliferative and innate and adaptive immune responses. TAK1 is normally present in cells in a complex with TAK1-binding protein 1 (TAB1) and either TAB2 or TAB3. Association with TAB1 triggers TAK1 kinase activity by inducing TAK1 autophosphorylation, while TAB2 and possibly TAB3 may contribute to SAPK2a/p38 α -mediated feedback inhibition of TAK1 activity.

Note: This product is for in vitro research use only