

Rabbit TAK1 Polyclonal Antibody | anti-MAP3K7 antibody

TAK1 Antibody

CATALOG # AAA39924	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot, ELISA
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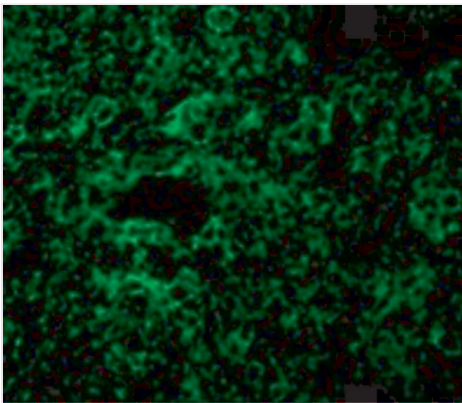
PRODUCT SYNONYMS

TAK1; Polyclonal Antibody; TAK1 Antibody; MEKK7; TGF1a; Mitogen-activated protein kinase kinase kinase 7; Transforming growth factor-beta-activated kinase 1; TGF-beta-activated kinase 1; mitogen-activated protein kinase kinase kinase 7; anti-MAP3K7 antibody

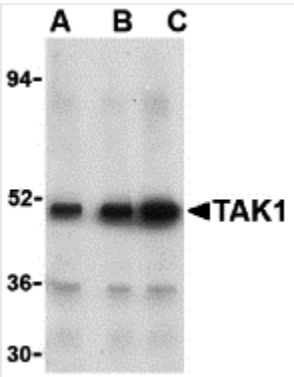
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	TAK1 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	579
Applicable Applications for anti-MAP3K7 antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	TAK1 antibody was raised against a synthetic peptide corresponding to 14 amino acids near the amino-terminus of human TAK1 isoform a.
Buffer	TAK1 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	TAK1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to 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



IF (Immunofluorescence)
Immunofluorescence of TAK1 in Rat Thymus cells with TAK1 antibody at 10 μg/mL.



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

ADDITIONAL INFORMATION

Related Product Information for anti-MAP3K7 antibody	TAK1 Antibody: TAK1 (TGF-beta 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-beta 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/p38a-mediated feedback inhibition of TAK1 activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2924624
NCBI GeneID	6885
UniProt Accession #	O43318; O43317; O43319; Q5TDN2; Q5TDN3; Q5TDT7; Q9NTR3; Q9NZ70; B2RE27; E1P523
Molecular Weight	53,740 Da
NCBI Official Full Name	TGF-beta activated kinase 1a
NCBI Official Synonym Full Names	mitogen-activated protein kinase kinase kinase 7
NCBI Official Symbol	MAP3K7
NCBI Official Synonym Symbols	TAK1; MEKK7; TGF1a
NCBI Protein Information	mitogen-activated protein kinase kinase kinase 7; TGF-beta activated kinase 1; TGF-beta-activated kinase 1; transforming growth factor-beta-activated kinase 1
UniProt Protein Name	Mitogen-activated protein kinase kinase kinase 7
UniProt Gene Name	MAP3K7
UniProt Synonym Gene Names	TAK1; TGF-beta-activated kinase 1
UniProt Entry Name	M3K7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.