

Rabbit TAK1 Polyclonal Antibody | anti-MAP3K7 antibody

TAK1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285175	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

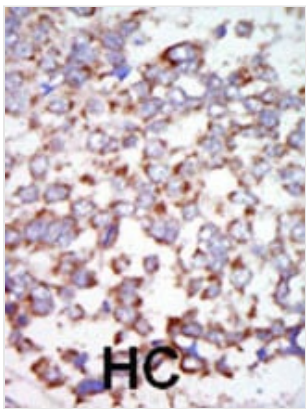
PRODUCT SYNONYMS

TAK1; Polyclonal Antibody; TAK1 Antibody (C-term); Mitogen-activated protein kinase kinase kinase 7; Transforming growth factor-beta-activated kinase 1; TGF-beta-activated kinase 1; MAP3K7; anti-MAP3K7 antibody

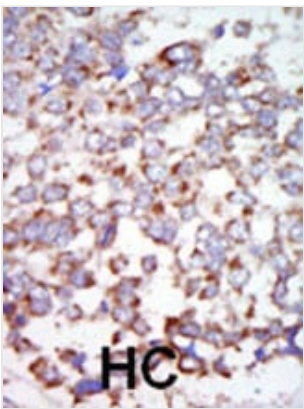
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TAK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 574-606 amino acids from the C-terminal region of human TAK1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.49 (varies by lot)
Sequence Positions	574-606
Sequence Length	491
Applicable Applications for anti-MAP3K7 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

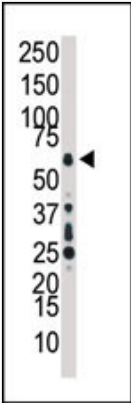
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



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WB (Western Blot)
Western blot analysis of anti-TAK1 Pab in HL60 cell lysate. TAK1 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-MAP3K7 antibody	TAK1 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.
Product Categories/Family for anti-MAP3K7 antibody	Cancer; Cardiovascular; Immunology; Signal transduction
References	Cheung, P.C., et al., EMBO J. 22(21):5793-5805 (2003). Sakurai, H., et al., J. Biol. Chem. 278(38):36916-36923 (2003). Ono, K., et al., Biochem. Biophys. Res. Commun. 307(2):332-337 (2003). Edlund, S., et al., Mol. Biol. Cell 14(2):529-544 (2003). Takaesu, G., et al., J. Mol. Biol. 326(1):105-115 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507361
NCBI GeneID	6885

NCBI Accession #	NP_003179.1; NP_663304.1; NP_663305.1; NP_663306.1
NCBI GenBank Nucleotide #	NM_003188.3
UniProt Accession #	O43318; O43317; O43319; Q5TDN2; Q5TDN3; Q5TDT7; Q9NTR3; Q9NZ70; B2RE27; E1P523
Molecular Weight	67196
NCBI Official Full Name	mitogen-activated protein kinase kinase kinase 7 isoform A
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
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.

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 Online datasheet: <https://stage.aaabiotech.com/polyclonal/tak1-antibody-immunohistochemistry-western-blot-elisa/285175>