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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-TAK1 Map3k7 Antibody

Catalog Number: A01458

About Map3k7

Mitogen-activated protein kinase kinase kinase 7, also known as TAK1, is an enzyme that in humans is encoded by the MAP3K7 gene. The protein encoded by this gene 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. Four alternatively spliced transcript variants encoding distinct isoforms have been reported.

Overview

Product Name	Anti-TAK1 Map3k7 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TAK1 Map3k7 Antibody catalog # A01458. Tested in IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol and 0.09% sodium azide.
Storage Instructions	Store vial at 4°C prior to opening. This product is stable at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, mix with an equal volume of glycerol, aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of opening.
Host	Rabbit
Uniprot ID	Q62073

Technical Details

Immunogen	Synthetic peptide corresponding to a portion of mouse TAK1.
Predicted Reactive Species	Bovine, Mammalian
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	0.5-1mg/ml, actual concentration vary by lot. Use suggested dilution ratio to decide dilution

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	procedure.
Purification	Protein A affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: User needs to optimize the dilution ratio for this antibody.

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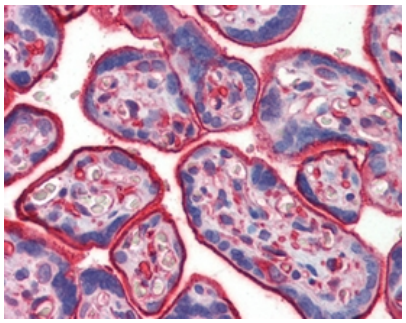
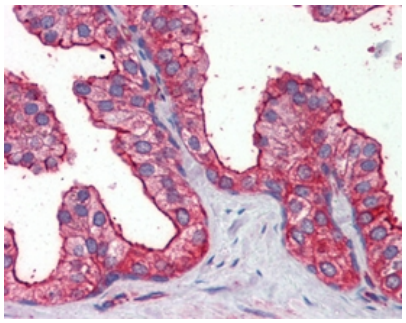
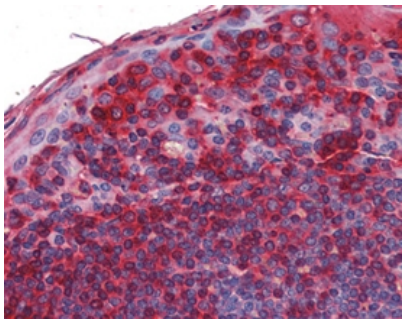
Anti-TAK1 Map3k7 Antibody (A01458) Images



TAK1 was detected in paraffin-embedded sections of human placenta tissues using rabbit anti-TAK1 Antigen Affinity purified polyclonal antibody (Catalog # A01458) at 10 ug/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



TAK1 was detected in paraffin-embedded sections of human prostate tissues using rabbit anti-TAK1 Antigen Affinity purified polyclonal antibody (Catalog # A01458) at 10 ug/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



TAK1 was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti-TAK1 Antigen Affinity purified polyclonal antibody (Catalog # A01458) at 10 ug/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).