

Datasheet for ABIN5542527
anti-MAP3K7 antibody (AA 471-579)



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3 Images

Overview

Quantity:	100 µL
Target:	MAP3K7
Binding Specificity:	AA 471-579
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MAP3K7 antibody is un-conjugated
Application:	ELISA

Product Details

Purpose:	MAP3K7 Antibody
Immunogen:	Purified recombinant fragment of human MAP3K7 (AA: 471-579) expressed in E. Coli.
Clone:	3E8H4
Isotype:	IgG2a
Purification:	Purified antibody

Target Details

Target:	MAP3K7
Alternative Name:	MAP3K7 (MAP3K7 Products)
Background:	Description: The protein encoded by this gene is a member of the serine/threonine protein

Target Details

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.

Aliases: TAK1, MEKK7, TGF1a

Molecular Weight: 67.2kDa

Gene ID: 6885

HGNC: 6885

UniProt: [O43318](#)

Pathways: [NF-kappaB Signaling](#), [TCR Signaling](#), [TLR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Activation of Innate immune Response](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Tube Formation](#), [Toll-Like Receptors Cascades](#), [BCR Signaling](#), [Ubiquitin Proteasome Pathway](#)

Application Details

Application Notes: ELISA: 1/10000

Restrictions: For Research Use only

Handling

Format: Liquid

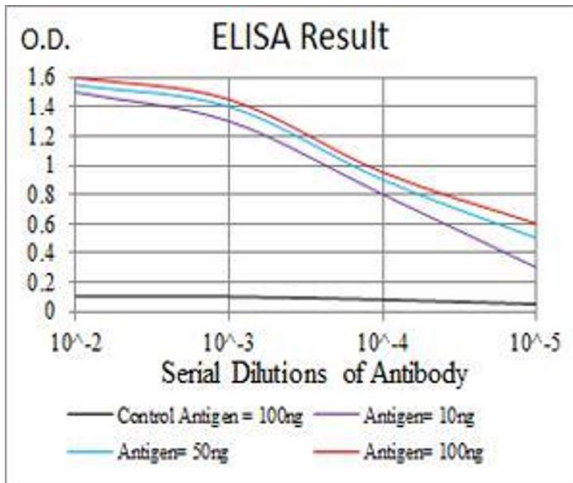
Buffer: Purified antibody in PBS with 0.05 % sodium azide. and 0.5 % protein stabilizer

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

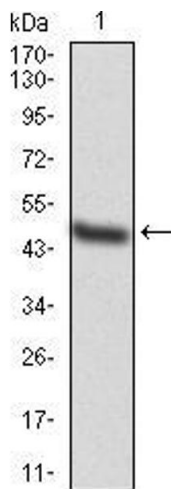
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.



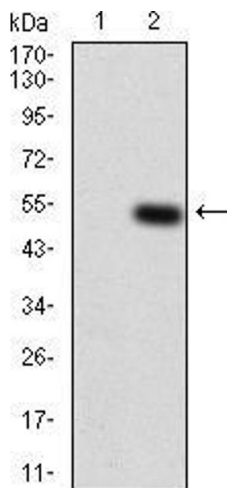
ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 2. Western blot analysis using MAP3K7 mAb against human MAP3K7 (AA: 471-579) recombinant protein. (Expected MW is 45.1 kDa)



Western Blotting

Image 3. Western blot analysis using MAP3K7 mAb against HEK293 (1) and MAP3K7 (AA: 471-579)-hlgGfc transfected HEK293 (2) cell lysate.