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# Datasheet for ABIN969273 anti-ASK1 antibody

5 Images

1 Publication



## Overview

Quantity:	100 µL
Target:	ASK1 (MAP3K5)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow
	Cytometry (FACS)

## Product Details

Immunogen:	Purified recombinant fragment of human MAP3K5 expressed in E. coli.
Clone:	2-00E-04
Isotype:	lgG1
Purification:	purified

## Target Details

Target:	ASK1 (MAP3K5)
Alternative Name:	MAP3K5 (MAP3K5 Products)
Background:	Description: Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or
	extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase
	kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its
	downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of

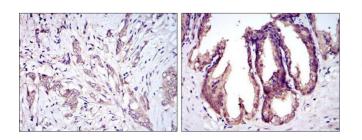
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN969273 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

## Target Details

	these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human hear and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells, MAPKKK5 does not activate MAPK/ERK. Aliases: ASK1, MEKK5, MAPKKK5
Molecular Weight:	55 kDa
Gene ID:	4217
HGNC:	4217
Pathways:	MAPK Signaling, Positive Regulation of Endopeptidase Activity, Unfolded Protein Response
Application Details	
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
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:	4°C, -20°C for long term storage
Publications	
Product cited in:	Jan, Adolfsson, Allaman, Buccarello, Magistretti, Pfeifer, Muhs, Lashuel: "Abeta42 neurotoxicity is mediated by ongoing nucleated polymerization process rather than by discrete Abeta42 species." in: <b>The Journal of biological chemistry</b> , Vol. 286, Issue 10, pp. 8585-96, (2011) ( PubMed).
	PubMed).

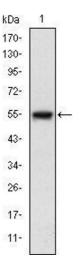
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN969273 | 09/12/2023 | Copyright antibodies-online. All rights reserved. Deshmukh, Salehzadeh, Metayer-Coustard, Fahlman, Nair, Al-Khalili: "Post-transcriptional gene silencing of ribosomal protein S6 kinase 1 restores insulin action in leucine-treated skeletal muscle." in: **Cellular and molecular life sciences : CMLS**, Vol. 66, Issue 8, pp. 1457-66, (2009) (PubMed).

### Images



#### Immunohistochemistry

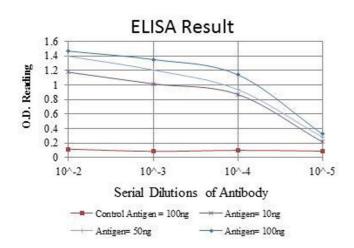
**Image 1.** Immunohistochemical analysis of paraffinembedded breast cancer tissues (left) and prostate tissues (right) using MAP3K5 mouse mAb with DAB staining.



#### Western Blotting

**Image 2.** Western blot analysis using MAP3K5 mAb against human MAP3K5 (AA: 922-1108) recombinant protein. (Expected MW is 46.5 kDa)

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### ELISA

**Image 3.** Red: Control Antigen (100 ng), Purple: Antigen (10 ng), Green: Antigen (50 ng), Blue: Antigen (100 ng),

Please check the product details page for more images. Overall 5 images are available for ABIN969273.