

Datasheet for ABIN7296924  
**anti-MAP2K4 antibody (pSer80)**



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3 Images

## Overview

Quantity:	100 µL
Target:	MAP2K4
Binding Specificity:	pSer80
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP), Immunochromatography (IC)

## Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MKK4.
Specificity:	Recognizes endogenous levels of MKK4 (pS80) protein.
Characteristics:	Rabbit polyclonal antibody to MKK4 (pS80)
Purification:	The antibody was purified by immunogen affinity chromatography.

## Target Details

Target:	MAP2K4
Alternative Name:	MKK4 ( <a href="#">MAP2K4 Products</a> )

## Target Details

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Background:	JNKK1, MEK4, MKK4, PRKMK4, SEK1, SERK1, SKK1, Dual specificity mitogen-activated protein kinase kinase 4, MAP kinase kinase 4, MAPKK 4, JNK-activating kinase 1, MAPK/ERK kinase 4, MEK 4, SAPK/ERK kinase 1, SEK1, Stress-activated protein kinase kinase 1, SAPK kinase 1, SAPKK-1, SAPKK1, c-Jun N-terminal kinase kinase 1, JNKK
Gene ID:	6416, 26398
UniProt:	<a href="#">P45985</a> , <a href="#">P47809</a>
Pathways:	<a href="#">MAPK Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">BCR Signaling</a>

## Application Details

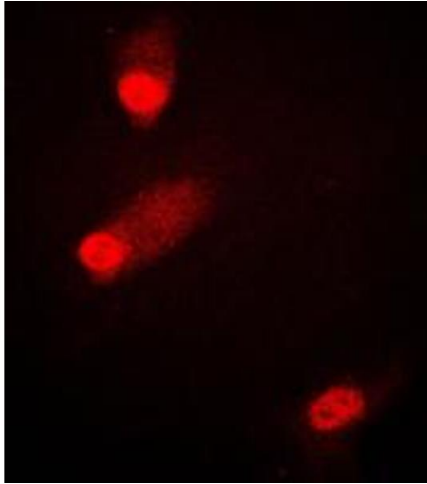
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Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500), IP (1:10 - 1:100)
Restrictions:	For Research Use only

## Handling

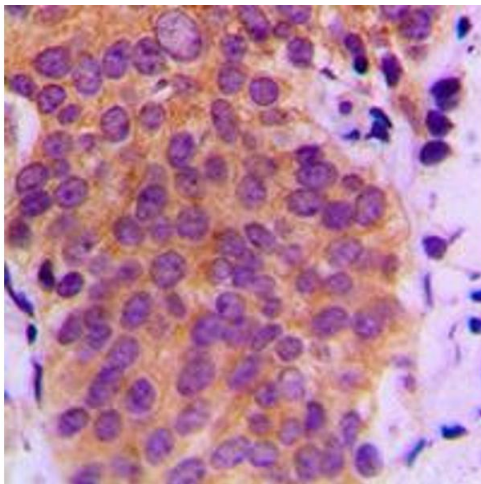
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Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



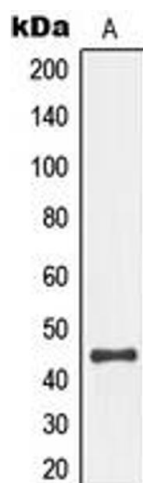
### Immunofluorescence

**Image 1.** Immunofluorescent analysis of MKK4 (pS80) staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of MKK4 (pS80) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



### Western Blotting

**Image 3.** Western blot analysis of MKK4 (pS80) expression in HEK293 UV-treated (A) whole cell lysates.