

Datasheet for ABIN3025245
anti-MAP3K1 antibody (AA 1211-1310)



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2 Images

Overview

Quantity:	100 µg
Target:	MAP3K1
Binding Specificity:	AA 1211-1310
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MAP3K1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	A partial recombinant protein (aa 1211-1310) was used as the immunogen for the MAP3K1 antibody.
Clone:	2F6
Isotype:	IgG2a kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	MAP3K1
Alternative Name:	MAP3K1 (MAP3K1 Products)

Target Details

Background: Mitogen-activated protein (MAP) kinase cascades are activated by various extracellular stimuli, including growth factors. The MEK kinases (also designated MAP kinase kinase kinases, MKKKs, MAP3Ks or MEKKs) phosphorylate and thereby activate the MEKs (also called MAP kinase kinases or MKKs), including ERK, JNK and p38. These activated MEKs in turn phosphorylate and activate the MAP kinases. The MEK kinases include Raf-1, Raf-B, Mos, MEK kinase-1, MEK kinase-2, MEK kinase-3, MEK kinase-4 and ASK 1 (MEK kinase- 5). MEK kinase-1 activates the ERK and c-Jun NH2-terminal kinase (JNK) pathways by phosphorylation of MAP2K1 and MAP2K4, and also activates the central protein kinases of the NF- κ B pathway, CHUK and IKBKB. Additionally, MEK kinase-1 uses an E3 ligase through its PHD domain, a RING-finger-like structure, to target proteins for degradation through ubiquitination.

Pathways: [MAPK Signaling](#), [Interferon-gamma Pathway](#), [Caspase Cascade in Apoptosis](#), [TLR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Activation of Innate immune Response](#), [Regulation of Actin Filament Polymerization](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: Optimal dilution of the MAP3K1 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Flow Cytometry: 0.5-1 μ g/million cells in 0.1ml,Immunofluorescence: 1-2 μ g/mL,Western blot: 0.5-1 μ g/mL,Immunohistochemistry (FFPE): 0.5-1 μ g/mL for 30 min at RT (1),Prediluted format : incubate for 30 min at RT (2)

Restrictions: For Research Use only

Handling

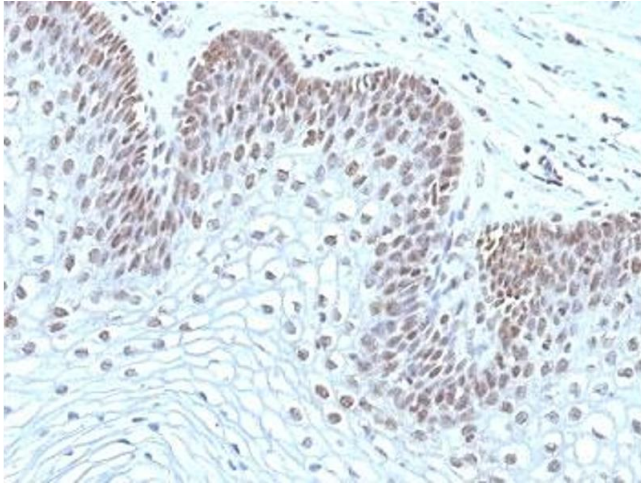
Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

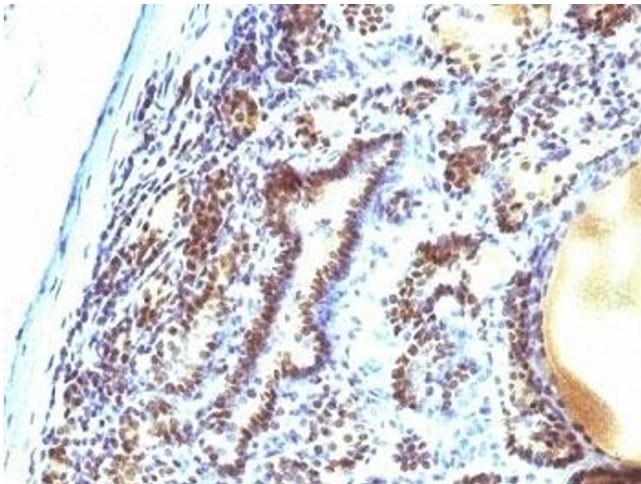
Storage: 4 °C,-20 °C

Storage Comment: Store the MAP3K1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 1. Formalin-fixed, paraffin-embedded human cervical carcinoma stained with MAP3K1 antibody (2F6).



Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections)

Image 2. Formalin-fixed, paraffin-embedded human thyroid carcinoma stained with MAP3K1 antibody (2F6).