MAP3K1 (Mitogen-Activated Protein Kinase Kinase Kinase 1) Antibody

Mouse Monoclonal Antibody [Clone 2F6]

Catalog No	Format	Size
4214-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4214-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4214-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

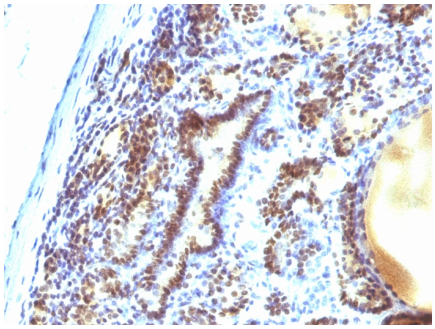
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

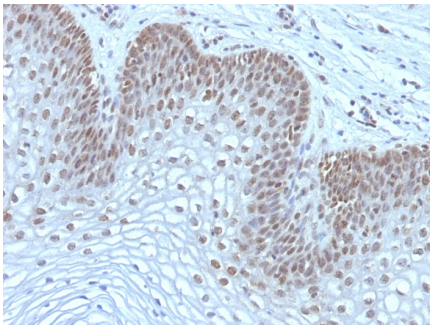
Clone	2F6
Gene Name	MAP3K1
Immunogen	Partial recombinant MAP3K1 (aa1077-1176) (SKNSMTLDLNSSSKCDDSFGCSSNSSNAVIPSDETVFTP-VEEKCRLDVNTELNSSIEDLLEASMPSSDTTVTFKSEVAVLSPEKAENDDTYKDDVNHNQK)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	195kDa (intact); 80kDa (cleaved)
Species Reactivity	Human
Positive Control	A431, HeLa or HL-60 cells. Liver tissue.

**Optimal dilution for a specific application should be determined.*

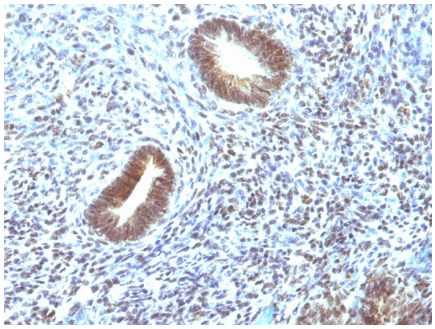
Product Images for MAP3K1 (Mitogen-Activated Protein Kinase Kinase Kinase 1) Antibody



Formalin-fixed, paraffin-embedded human Thyroid Carcinoma stained with MAP3K1 Mouse Monoclonal Antibody (2F6).



Formalin-fixed, paraffin-embedded human Cervical Carcinoma stained with MAP3K1 Mouse Monoclonal Antibody (2F6).



Formalin-fixed, paraffin-embedded human Uterine Carcinoma stained with MAP3K1 Mouse Monoclonal Antibody (2F6).

Specificity & Comments

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 NFB 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.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cancer, Cardiovascular, Immunology, MAPK Signaling

Limitations and Warranty