9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-1423: Monoclonal Antibody to MAP3K1 (Mitogen-Activated Protein Kinase Kinase Kinase 1)(Clone : 2F6)

Clonality :	Monoclonal
Clone Name :	2F6
Application :	WB,IHC
Reactivity :	Human
Gene :	MAP3K1
Gene ID :	4214
Uniprot ID :	Q13233
Format :	Purified
Alternative Name :	MAP3K1,MAPKKK1,MEKK,MEKK1
Isotype :	Mouse IgG2a, kappa
Immunogen Information :	Partial recombinant MAP3K1 (aa1211-1310) (SKNSMTLDLNSSSKCDDSFGCSSNSSNAVIPSDETVFTP-VEEKCRLDVNTELNSSIEDLLEASMPSSDTTVTFKSEVAVLSPEKAENDDTYKDDVNHNQK)

Description

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 NFkB 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.

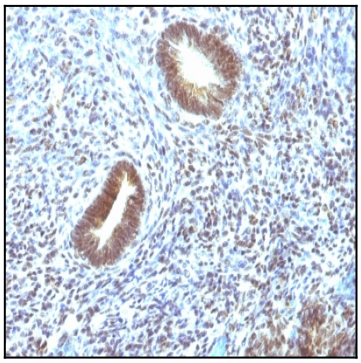
Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

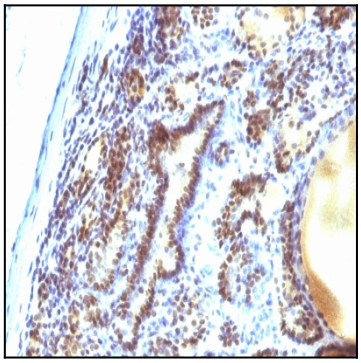
Application Note

Western Blot (1-2ug/ml);Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris Buffer with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes)

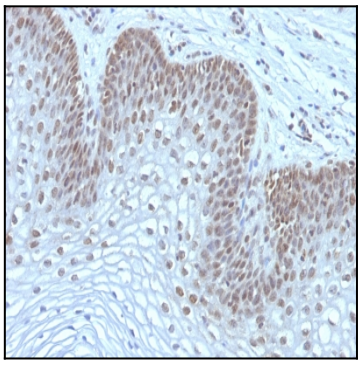
9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com



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



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



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