

## Anti-MAP2K3 Antibody (1S917)

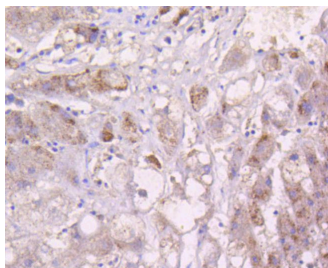
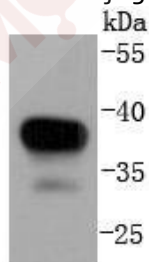
### Product Details

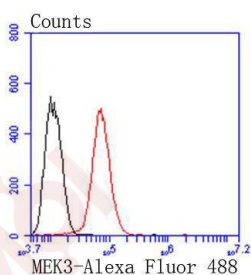
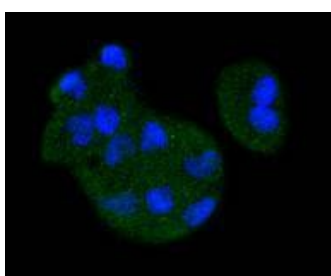
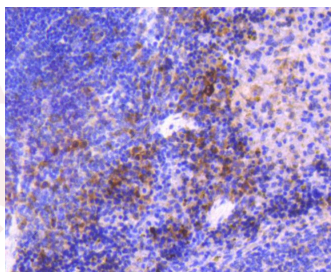
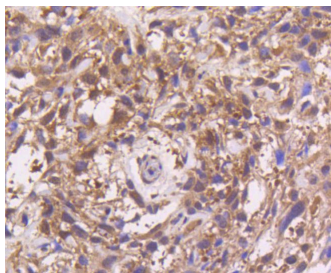
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 39 kDa.
Clone:	1S917
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of MEK3 on Hela lysates using anti-MEK3 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-MEK3 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-MEK3 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-MEK3 antibody. Counter stained with hematoxylin.
5. ICC staining MEK3 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. Flow cytometric analysis of Hela cells with MEK3 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.





Application: FCM, ICC/IF, IHC, IP, WB

Recommended WB: 1:1000-5000; IHC: 1:50-200; ICC/IF: 1:50-200; FCM: 1:50-100

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P46734

Synonyms:

MAP kinase kinase 3; MP2K6; MP2K3; MAPKK3; mMKK 3b; ERK kinase 3; MKK3; MKK 3; MAP2K 3; Protein kinase mitogen activated kinase 3; MEK3; mMKK3b; SKK2; MPK 3; MAPK kinase 3; MEK 3; MAPK ERK kinase 3; zMKK 3; PRKMK3; Dual specificity mitogen activated protein kinase kinase 3; PRKMK 3; MAPKK 3; Mitogen activated protein kinase kinase 3

### Research Background

A family of protein kinases located upstream of the MAP kinases and responsible for their activation has been identified. The prototype member of this family, designated MAP kinase kinase, or MEK-1, specifically phosphorylates the MAP kinase regulatory threonine and tyrosine residues present in the Thr-Glu-Tyr motif of ERK. A second MEK family member, MEK-2, resembles MEK-1 in its substrate specificity. MEK-3 (or MKK-3) functions to activate p38 MAP kinase, and MEK-4 (also called SEK1 or MKK-4) activates both p38 and JNK MAP kinases. MEK-5 appears to specifically phosphorylate ERK5, whereas MEK-6 phosphorylates p38 and p38b. MEK-7 (or MKK-7) phosphorylates and activates the JNK signal transduction pathway.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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