

Anti-MAP2K1/MEK2 Antibody (4G763)

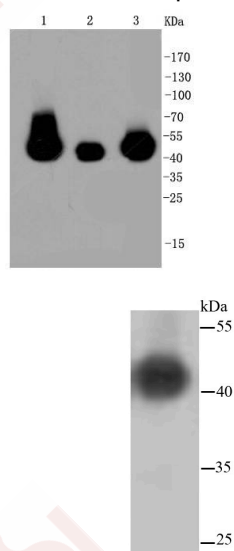
Product Details

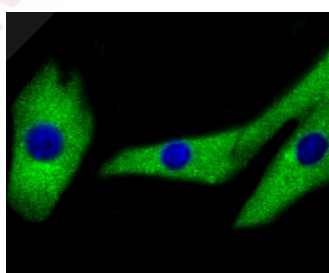
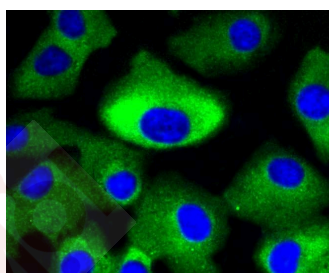
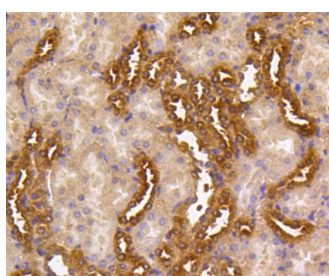
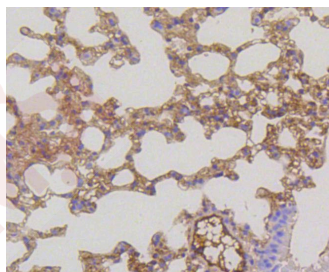
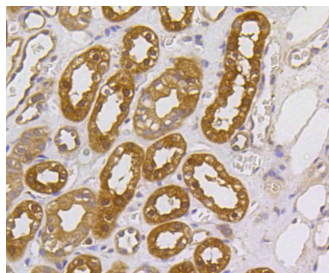
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat,zebrafish
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 44 kDa.
Clone:	4G763
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of MEK1/2 on different cell lysates using anti-MEK1/2 antibody at 1/1,000 dilution. Positive control: Lane 1: HepG2, Lane 2: PC12, Lane 3: NIH/3T3.
2. Western blot analysis of MEK1/2 on hybrid fish (crucian-carp) brain tissue lysates using anti-MEK1/2 antibody at 1/500 dilution.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-MEK1/2 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-MEK1/2 antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-MEK1/2 antibody. Counter stained with hematoxylin.
6. ICC staining MEK1/2 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining MEK1/2 in NIH/3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC/IF,IHC,IP,WB

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

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:	Q02750 & P36507
Synonyms:	MEK 1;MAPK/ERK kinase 1;Dual specificity mitogen-activated protein kinase kinase 1;MAPKK 1; EC 2.7.12.2;PRKMK1;MAP kinase kinase 1;MKK1;ERK activator kinase 1

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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