

Anti-MEK5 Antibody (4P780)

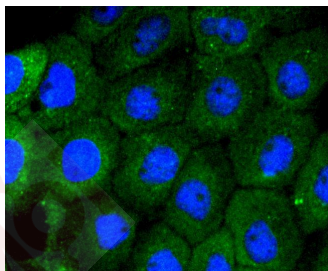
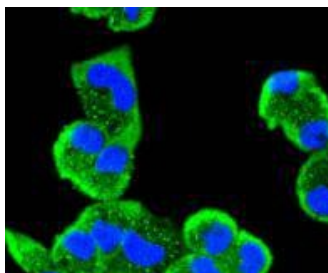
Product Details

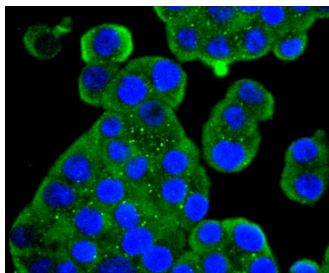
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 49 kDa.
Clone:	4P780
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of MEK5 on Hela cells lysates using anti-MEK5 antibody at 1/1,000 dilution.
2. ICC staining MEK5 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
3. ICC staining MEK5 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. ICC staining MEK5 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC/IF, WB

Recommended WB: 1:1000-5000; 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: Q13163

Synonyms: MAP kinase kinase 5; HsT17454; MP2K5_HUMAN; SKK5; MKK5; MEK 5; MAPKK5; MAP2K5; MAPK/ERK kinase 5; mitogen-activated protein kinase kinase 5; Dual specificity mitogen activated protein kinase kinase 5; Dual specificity mitogen-activated protein kinase kinase 5; MAP kinase kinase MEK5b; PRKMK5; EC 2.7.12.2; Protein kinase, mitogen-activated, kinase 5; SAPKK5; MAPKK 5

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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