

**Product Name: Phospho-MEK4 (Ser80) Rabbit
Monoclonal Antibody
Catalog #: AMRe84930**

Summary

Production Name	Phospho-MEK4 (Ser80) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,IP
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Purified antibody in TBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol.
Purification	Affinity Purification

Immunogen

Gene Name	Phospho-MEK4 (Ser80)
Alternative Names	MAP2K4; JNKK1; MEK4; MKK4; PRKMK4; SEK1; SERK1; SKK1; Dual specificity mitogen-activated protein kinase kinase 4; MAP kinase kinase 4; MAPKK 4; JNK-activating kinase 1; MAPK/ERK kinase 4; MEK 4; SAPK/ERK kinase 1; SEK1; Stress-activated pro
Gene ID	6416.0
SwissProt ID	P45985.A synthetic phosphopeptide corresponding to residues surrounding Ser80 of human MEK4/MKK4

Application

Dilution Ratio	WB:1:500-1:1000, IP:1:10-1:20
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Molecular Weight

Calculated MW: 44 kDa; Observed MW: 44 kDa

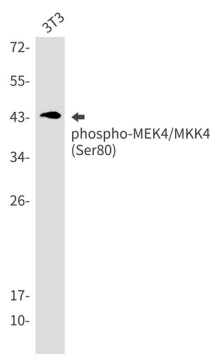
Background

This gene encodes a member of the mitogen-activated protein kinase (MAPK) family. Members of this family act as an integration point for multiple biochemical signals and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation, and development. They form a three-tiered signaling module composed of MAPKKKs, MAPKKs, and MAPKs. This protein is phosphorylated at serine and threonine residues by MAPKKKs and subsequently phosphorylates downstream MAPK targets at threonine and tyrosine residues. A similar protein in mouse has been reported to play a role in liver organogenesis. A pseudogene of this gene is located on the long arm of chromosome X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

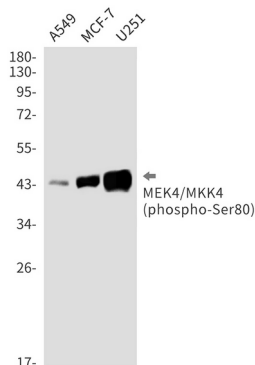
Research Area

Apoptosis, TGF-beta signaling pathway, MAPK signaling pathway, Jak-STAT signaling pathway

Image Data



Western blot analysis of Phospho-MEK4/MKK4 (Ser80) in 3T3 lysates using Phospho-MEK4 (Ser80) antibody.



Western blot analysis of Phospho-MEK4/MKK4 (Ser80) in A549, MCF-7, U251 lysates using Phospho-MEK4/MKK4 (Ser80)

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antibody.

Note

For research use only.