

Datasheet for ABIN745673  
**anti-MAP2K4 antibody (pSer257, pThr261)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	MAP2K4
Binding Specificity:	pSer257, pThr261
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAP2K4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human SEK1/MKK4 around the phosphorylation site of Ser257/Thr261
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	MAP2K4
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## Target Details

Alternative Name:	MEK4 + ( <a href="#">MAP2K4 Products</a> )
Background:	<p>Synonyms: MEK4 phospho S257 + T261, SEK1/MKK4Ser257 + Thr261, MAP2K4phospho S257 + T261, MKK4 phospho Ser257 + Thr261, p-MKK4 Ser257 + Thr261, c Jun N terminal kinase kinase 1, c-Jun N-terminal kinase kinase 1, c-Jun N-terminal kinase kinase 1, Dual specicity mitogen activated protein kinase kinase 4, Dual specicity mitogen activated protein kinase kinase 4, Dual specicity mitogen-activated protein kinase kinase 4, JNK activated kinase 1, JNK Activated Kinase 1, JNK activating kinase 1, JNK activating kinase 1, JNK-activating kinase 1, JNKK 1, JNKK, JNKK, JNKK-1, JNKK-1, JNKK1, JNKK1, MAP kinase kinase 4, MAP kinase kinase 4, MAP2K4, MAPK / ERK kinase 4, MAPK / ERK kinase 4, MAPK ERK kinase 4, MAPK/ERK kinase 4, MAPKK 4, MAPKK 4, MAPKK-4, MAPKK-4, MAPKK4, MAPKK4, MEK 4, MEK 4, MEK-4, MEK-4, MEK4, Mitogen Activated Protein Kinase Kinase 4, MKK 4, MKK-4, MKK-4, MKK4, MKK4, MP2K4_HUMAN, PRKMK 4, PRKMK 4, PRKMK-4, PRKMK-4, PRKMK4, PRKMK4, SAPK / ERK kinase 1, SAPK / ERK kinase 1, SAPK ERK kinase 1, SAPK/ERK Kinase 1, SEK 1, SEK1, SEK1, SERK 1, SERK-1, SERK-1, SERK1, SERK1</p> <p>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]</p>

Gene ID:	6416
Pathways:	<a href="#">MAPK Signaling</a> , <a href="#">TLR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">BCR Signaling</a>

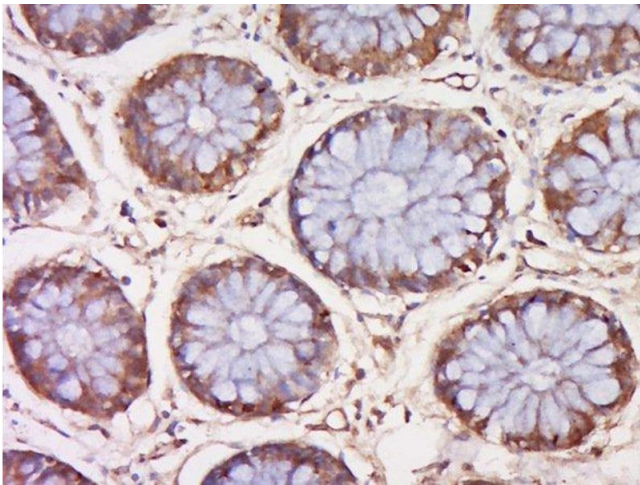
## Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200
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Application Details

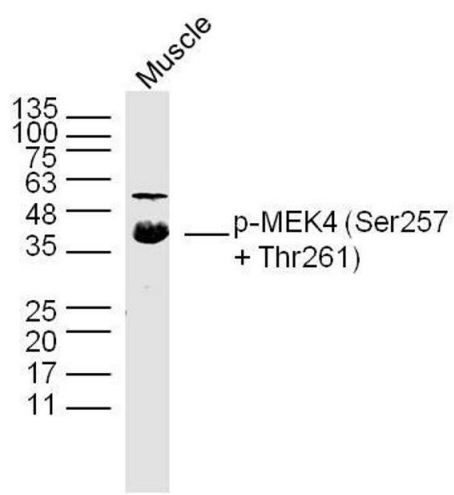
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded human cervical carcinoma, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation withRabbit Anti-MEK4 (Ser257 + Thr261) Polyclonal Antibody, Unconjugated at 1:200 overnight at 4°C, followed by a conjugated secondary for 90 minutes and DAB staining.



**Image 2.** Mouse Muscle lysates probed with p-MEK4(Ser257 + Thr261) Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.