

**Product Name: MEK-7 (phospho Thr275) Rabbit Polyclonal Antibody**  
**Catalog #: APRab05013**

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## Summary

<b>Production Name</b>	MEK-7 (phospho Thr275) Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phospho Antibody
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	MAP2K7
<b>Alternative Names</b>	MAP2K7; JNKK2; MEK7; MKK7; PRKMK7; SKK4; Dual specificity mitogen-activated protein kinase kinase 7; MAP kinase kinase 7; MAPKK 7; JNK-activating kinase 2; MAPK/ERK kinase 7; MEK 7; Stress-activated protein kinase kinase 4; SAPK kinase 4; S
<b>Gene ID</b>	5609.0
<b>SwissProt ID</b>	O14733.The antiserum was produced against synthesized peptide derived from human MAP2K7 around the phosphorylation site of Thr275. AA range:241-290

## Application

<b>Dilution Ratio</b>	WB 1:500 - 1:2000. ELISA: 1:20000
<b>Molecular Weight</b>	43kD

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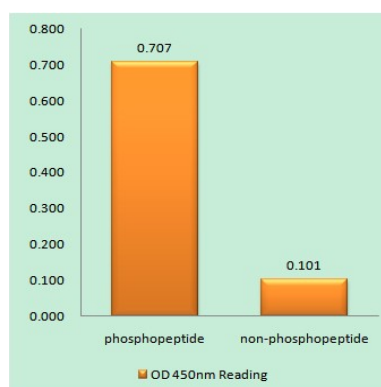
## Background

The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase specifically activates MAPK8/JNK1 and MAPK9/JNK2, and this kinase itself is phosphorylated and activated by MAP kinase kinase kinases including MAP3K1/MEKK1, MAP3K2/MEKK2, MAP3K3/MEKK5, and MAP4K2/GCK. This kinase is involved in the signal transduction mediating the cell responses to proinflammatory cytokines, and environmental stresses. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014], catalytic activity: ATP + a protein = ADP + a phosphoprotein., cofactor: Magnesium., enzyme regulation: Activated by phosphorylation by specific MAP kinase kinase kinases such as MAP3K1/MEKK1, MAP3K3/MEKK3, MAP3K11/MLK3 and MAP3K12/DLK., function: Stress activated, dual specificity kinase that activates the JUN kinases MAPK8/JNK1, MAPK9/JNK2 and MAPK10/JNK3., PTM: Activated by phosphorylation on Ser/Thr., similarity: Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase subfamily., similarity: Contains 1 protein kinase domain., tissue specificity: Ubiquitous; with highest level of expression in skeletal muscle. Isoform 3 is found at low levels in placenta, fetal liver, and skeletal muscle.,

## Research Area

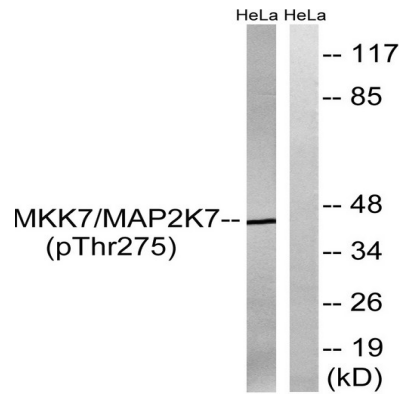
MAPK\_ERK\_Growth; MAPK\_G\_Protein; ErbB\_HER; Toll\_Like; T\_Cell\_Receptor; Fc\_epsilon RI; Neurotrophin; GnRH;

## Image Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using MAP2K7 (Phospho-Thr275) Antibody

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Western blot analysis of lysates from HeLa cells treated with calyculinA 50ng/ml 30 ', using MAP2K7 (Phospho-Thr275) Antibody. The lane on the right is blocked with the phospho peptide.

### Note

For research use only.