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**Product Name: MAP3K2 Mouse Monoclonal Antibody****Catalog #: AMM81042**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	ICC,ELISA
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	PBS containing 0.03% sodium azide.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	ICC 1:200-1:1000,ELISA 1:5000-1:20000
<b>Molecular Weight</b>	70kDa

**Antigen Information**

<b>Gene Name</b>	MAP3K2
<b>Alternative Names</b>	MEKK2; MEKK2B
<b>Gene ID</b>	10746.0
<b>SwissProt ID</b>	Q9Y2U5
<b>Immunogen</b>	Purified recombinant fragment of human MAP3K2 expressed in E. Coli.

**Background**

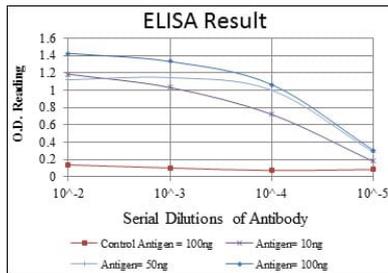
The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase preferentially activates other kinases involved in the MAP kinase signaling pathway. This kinase has been shown to directly phosphorylate and activate I $\kappa$ B kinases, and thus plays a role in NF- $\kappa$ B signaling pathway. This kinase has also been found to bind and activate

protein kinase C-related kinase 2, which suggests its involvement in a regulated signaling process.

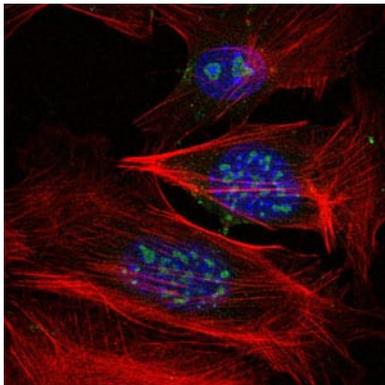
## Research Area

MAPK signaling pathway

## Image Data



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Immunofluorescence analysis of 3T3-L1 cells using MAP3K2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.