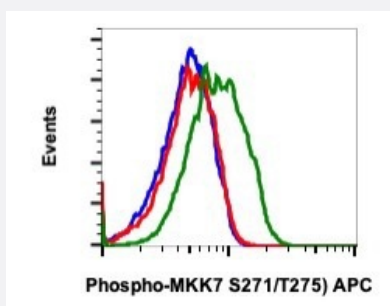


# MAP2K7 (phospho S271/T275) monoclonal antibody, clone R4F9 (APC)

Catalog # MAB23451      Size 100 Reactions

## Applications



### Flow Cytometry

Flow cytometric analysis of HEK 293T cells with MAP2K7 (phospho S271/T275) monoclonal antibody, clone R4F9 (APC) (Cat # MAB23451). Unstained treated with imatinib as negative control (blue) or stained treated with imatinib (red) or treated with UV plus TPA and stained (green).

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human MAP2K7.
<b>Immunogen</b>	A synthetic phosphopeptide corresponding to residues surrounding S271/T275 of human MAP2K7.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Conjugation</b>	APC
<b>Purification</b>	Protein A/G purification
<b>Isotype</b>	IgG1, kappa
<b>Recommend Usage</b>	Flow Cytometry (5 $\mu$ L/ $10^6$ cells) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

## Storage Instruction

Store at 4°C.

## Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Flow Cytometry

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## Gene Info — MAP2K7

## Entrez GeneID

[5609](#)

## Gene Name

MAP2K7

## Gene Alias

Jnk2, MAPKK7, MKK7, PRKMK7

## Gene Description

mitogen-activated protein kinase kinase 7

## Omim ID

[603014](#)

## Gene Ontology

[Hyperlink](#)

## Gene Summary

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. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found, but only one transcript variant has been supported and defined. [provided by RefSeq]

## Other Designations

JNK kinase 2|JNK-activating kinase 2|MAP kinase kinase 7|OTTHUMP00000174397|c-Jun N-terminal kinase kinase 2|dual specificity mitogen-activated protein kinase kinase 7

## Pathway

- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [GnRH signaling pathway](#)

- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)