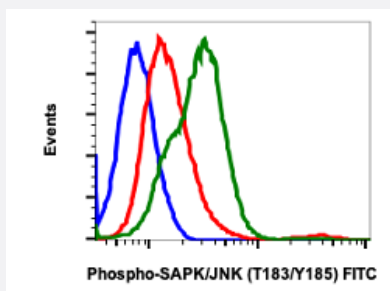


MAPK8 (phospho T183/Y185) monoclonal antibody, clone A11 (FITC)

Catalog # MAB23505 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of 293T cells with MAPK8 (phospho T183/Y185) monoclonal antibody, clone A11 (FITC) (Cat A11# MAB23505). Untreated and unstained as negative control (blue) or untreated (red) or with UV+TPA (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human MAPK8.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding T183/Y185 of human MAPK8.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	FITC
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	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

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Gene Info — MAPK8

Entrez GeneID

[5599](#)

Protein Accession#

[P45983](#)

Gene Name

MAPK8

Gene Alias

JNK, JNK1, JNK1A2, JNK21B1/2, PRKM8, SAPK1

Gene Description

mitogen-activated protein kinase 8

Omim ID

[601158](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases 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. This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrome c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations

JNK1 alpha protein kinase|JNK1 beta protein kinase|JUN N-terminal kinase|OTTHUMP00000019552|OTTHUMP00000019555|OTTHUMP00000019556|OTTHUMP00000019558|c-Jun N-terminal kinase 1|mitogen-activated protein kinase 8 isoform JNK1 alpha1|mitogen-activated protein

Pathway

- [Adipocytokine signaling pathway](#)
- [Colorectal cancer](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Focal adhesion](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Toll-like receptor signaling pathway](#)
- [Type II diabetes mellitus](#)
- [Wnt signaling pathway](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)