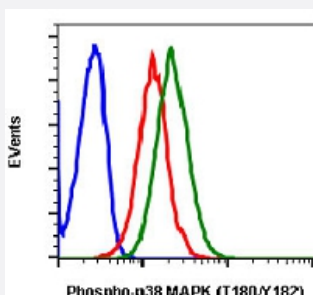


MAPK14 (phospho T180/Y182) monoclonal antibody, clone E3 (SureLight 488)

Catalog # MAB21584 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of C6 cells with MAPK14 (phospho T180/Y182) monoclonal antibody, clone E3 (SureLight 488) (Cat # MAB21584). Unstained and untreated (blue) or stained and untreated (red) or stained and treated with staurosporine (green).

Specification

| | |
|----------------------------|--|
| Product Description | Rabbit monoclonal antibody raised against synthetic phosphopeptide of human MAPK14. |
| Immunogen | A synthetic phosphopeptide corresponding to residues surrounding T180/Y182 of human MAPK14. |
| Host | Rabbit |
| Reactivity | Human |
| Form | Liquid |
| Conjugation | SureLight 488 |
| 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

- Flow Cytometry

Flow cytometric analysis of C6 cells with MAPK14 (phospho T180/Y182) monoclonal antibody, clone E3 (SureLight 488) (Cat # MAB21584). Unstained and untreated (blue) or stained and untreated (red) or stained and treated with staurosporine (green).

Gene Info — MAPK14

Entrez GeneID

[1432](#)

Protein Accession#

[Q16539](#)

Gene Name

MAPK14

Gene Alias

CSBP1, CSBP2, CSPB1, EXIP, Mxi2, PRKM14, PRKM15, RK, SAPK2A, p38, p38ALPHA

Gene Description

mitogen-activated protein kinase 14

Omim ID

[600289](#)

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 environmental stresses and proinflammatory cytokines. The activation requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response. Four alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations

Csais binding protein|MAP kinase Mxi2|MAX-interacting protein 2|cytokine suppressive anti-inflammatory drug binding protein|p38 MAP kinase|p38 mitogen activated protein kinase|p38alpha Exip|stress-activated protein kinase 2A

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Fc epsilon RI signaling pathway](#)
- [GnRH signaling pathway](#)
- [Leukocyte transendothelial migration](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [VEGF signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Narcolepsy](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)