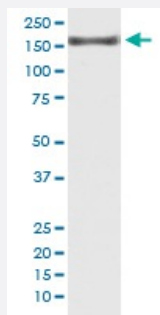


MAP3K5 monoclonal antibody, clone CFB-13

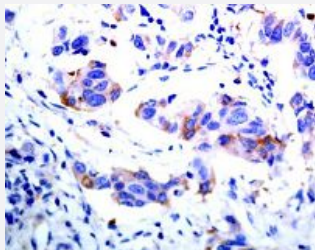
Catalog # MAB19580 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysates with MAP3K5 monoclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human breast cancer with MAP3K5 monoclonal antibody.

Specification

| | |
|----------------------------|--|
| Product Description | Rabbit monoclonal antibody raised against synthetic peptide of human MAP3K5. |
| Immunogen | A synthetic peptide corresponding to human MAP3K5. |
| Host | Rabbit |
| Reactivity | Human, Mouse |
| Form | Liquid |
| Purification | Affinity purification |
| Isotype | IgG |

| | |
|----------------------------|--|
| Recommend Usage | Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Flow Cytometry (1:50) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user. |
| Storage Buffer | In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage Instruction | Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing. |
| Note | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

Applications

- Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysates with MAP3K5 monoclonal antibody.

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Immunohistochemical staining of paraffin-embedded human breast cancer with MAP3K5 monoclonal antibody.

- Immunocytochemistry

- Immunofluorescence

- Flow Cytometry

Gene Info — MAP3K5

| | |
|---------------------------|--|
| Entrez GeneID | 4217 |
| Protein Accession# | Q99683 |
| Gene Name | MAP3K5 |
| Gene Alias | ASK1, MAPKKK5, MEKK5 |
| Gene Description | mitogen-activated protein kinase kinase kinase 5 |
| Omim ID | 602448 |
| Gene Ontology | Hyperlink |

Gene Summary

Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq]

Other Designations

MAP/ERK kinase kinase 5|MAPK/ERK kinase kinase 5|OTTHUMP00000017275|apoptosis signal regulating kinase

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Lymphoma](#)
- [Tobacco Use Disorder](#)