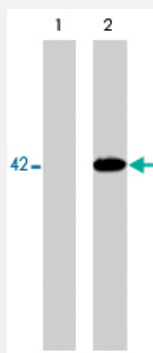


Mapk14 (phospho T180/Y182) monoclonal antibody, clone M139

Catalog # MAB1385

Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of A-431 cells serum starved overnight (lane 1) or treated with pervanadate (1 mM) for 30 minutes (lane 2). The blot was probed with Mapk14 (phospho T180/Y182) monoclonal antibody, clone M139 (Cat # MAB1385).

Specification

| | |
|--------------------------------|--|
| Product Description | Mouse monoclonal antibody raised against synthetic phosphopeptide of Mapk14. |
| Immunogen | Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding T180/Y182 of rat Mapk14. |
| Host | Mouse |
| Reactivity | Human, Mouse, Rat |
| Specificity | This peptide sequence is highly conserved in the p38b,g, and d MAPKs, and is identical in human and mouse p38a. |
| Form | Liquid |
| Isotype | IgG1 |
| Quality Control Testing | Antibody Reactive Against Synthetic Peptide. |
| Recommend Usage | ELISA (1:2000) Immunocytochemistry (1:250) Western Blot (1:1000) The optimal working dilution should be determined by the end user. |

| | |
|---------------------|--|
| Storage Buffer | In PBS (50% glycerol, 1 mg/mL BSA, 0.05% sodium azide) |
| Storage Instruction | Store at -20°C. Aliquot to 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 A-431 cells serum starved overnight (lane 1) or treated with pervanadate (1 mM) for 30 minutes (lane 2). The blot was probed with Mapk14 (phospho T180/Y182) monoclonal antibody, clone M139 (Cat # MAB1385).

- Immunocytochemistry

- Enzyme-linked Immunoabsorbent Assay

Gene Info — Mapk14

| | |
|--------------------|--|
| Entrez GeneID | 81649 |
| Gene Name | Mapk14 |
| Gene Alias | CSBP, CSPB1, Csbp1, Csbp2, Exip, Hog, MGC105413, Mxi2, Prkm14, Prkm15, RK, Sapk2A, p38, p38Hog, p38alpha |
| Gene Description | mitogen activated protein kinase 14 |
| Gene Ontology | Hyperlink |
| Other Designations | Csaids binding protein MAP kinase 2 MAP kinase Mxi2 MAX-interacting protein 2 cytokine suppressive anti-inflammatory drug binding protein cytokine-suppressive anti-inflammatory drug binding protein mitogen-activated protein kinase 14 p38 MAP kinase p38 mit |

Publication Reference

- [Pro-inflammatory cytokines and environmental stress cause p38 mitogen-activated protein kinase activation by dual phosphorylation on tyrosine and threonine.](#)

Raingeaud J, Gupta S, Rogers JS, Dickens M, Han J, Ulevitch RJ, Davis RJ.

The Journal of Biological Chemistry 1995 Mar; 270(13):7420.

Application: IF, IP, WB-Ce, WB-Tr, Human, Monkey, COS, HeLa cells

- [Interleukin-1 activates a novel protein kinase cascade that results in the phosphorylation of Hsp27.](#)

Freshney NW, Rawlinson L, Guesdon F, Jones E, Cowley S, Hsuan J, Saklatvala J.

Cell 1994 Sep; 78(6):1039.

- [A novel kinase cascade triggered by stress and heat shock that stimulates MAPKAP kinase-2 and phosphorylation of the small heat shock proteins.](#)

Rouse J, Cohen P, Trigon S, Morange M, Alonso-Llamazares A, Zamanillo D, Hunt T, Nebreda AR.

Cell 1994 Sep; 78(6):1027.