

Datasheet

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

Catalog Number: MAB1385

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against synthetic phosphopeptide of Mapk14.

Clone Name: M139

Immunogen: Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding T180/Y182 of rat Mapk14.

Host: Mouse

Reactivity: Human, Mouse, Rat

Applications: ELISA, ICC, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

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

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.

Entrez GeneID: 81649

Gene Symbol: Mapk14

Gene Alias: CSBP, CSPB1, Csbp1, Csbp2, Exip, Hog, MGC105413, Mxi2, Prkm14, Prkm15, RK, Sapk2A, p38, p38Hog, p38alpha

References:

1. 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. J Biol Chem. 1995 Mar 31;270(13):7420-6.
2. 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 23;78(6):1039-49.
3. 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 23;78(6):1027-37.