

Anti-MKP-8(mitogen-activated protein kinase phosphatase 8) Polyclonal Antibody

Cat. #: 60B870

Description:

The mitogen-activated protein kinase phosphatase-8 (MKP-8) is a novel protein phosphatase with a well-conserved DSP catalytic domain containing the DSP catalytic motif, xHCxxGxSRS, and mitogen-activated protein kinase phosphatase (MKP) motif, AYLM. The MKP-8 belongs to the dual-specificity phosphatase (DSP) family of intracellular signaling modulators. This protein is approximately 20kDa in size and mainly localizes to the nuclear compartment of the cell. MKP-8 is expressed in embryonal cancers (retinoblastoma, neuroepithelioma, and neuroblastoma) and has limited expression in normal tissues. MKP-8 displays significant phosphatase activity that is inhibited by a cysteine to serine substitution in the catalytic domain. When co-expressed with activated MAPKs, MKP-8 is able to inhibit p38 kinase phosphorylation and downstream activity.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to N-terminal residues of human MKP-8(mitogen-activated protein kinase phosphatase 8)

References

Vasudevan,S.A., et al, Biochem. Biophys. Res. Commun. 330 (2), 511-518 (2005)

Clone Number:

Isotype:

Species: Human

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)