

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



MKP-2 (Y108) Peptide

Cat No.: BS2302P

Background

Mitogen-activated protein (MAP) kinases are a large class of proteins involved in signal transduction pathways that are activated by a range of stimuli and mediate a number of physiological and pathological changes in the cell. Dual specificity phosphatases (DSPs) are a subclass of the protein tyrosine phosphatase (PTP) gene superfamily, which are selective for dephosphorylating critical phosphothreonine and phosphotyrosine residues within MAP kinases. DSP gene expression is induced by a host of growth factors and/or cellular stresses, thereby negatively regulating MAP kinase superfamily members including MAPK/ERK, SAPK/JNK and p38. The members of the dual-specificity phosphatase protein family include MKP-1/CL100 (3CH134), VHR, PAC1, MKP-2, hVH-3 (B23), hVH-5, MKP-3, MKP-X, and MKP-4. Human MKP-2 maps to chromosome 8p12-p11 and encodes a 394 amino acid, 43 kDa protein that specifically inactivates ERK1, ERK2 and JNK.

Swiss-Prot

Q13115

Applications

Blocking

Specificity

This peptide can be used with studies using BS2302 MKP-2 (Y108) pAb.

Purification & Purity

Synthetic peptide MKP-2 (Y108). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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