

bs-1851R**[Primary Antibody]****MKP1 Rabbit pAb****Bioss**
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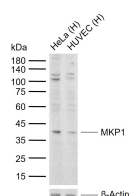
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 1843 Target: MKP1 Immunogen: KLH conjugated synthetic peptide derived from human DUSP1: 151-250/367. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: The expression of DUSP1 gene is induced in human skin fibroblasts by oxidative/heat stress and growth factors. It specifies a protein with structural features similar to members of the non-receptor-type protein-tyrosine phosphatase family, and which has significant amino-acid sequence similarity to a Tyr/Ser-protein phosphatase encoded by the late gene H1 of vaccinia virus. The bacterially expressed and purified DUSP1 protein has intrinsic phosphatase activity, and specifically inactivates mitogen-activated protein (MAP) kinase in vitro by the concomitant dephosphorylation of both its phosphothreonine and phosphotyrosine residues.	Isotype: IgG SWISS: P28562	Applications: WB (1:500-2000) Reactivity: Human (predicted: Mouse, Rat, Rabbit, Sheep, Cow, Dog, Horse) Predicted MW.: 39 kDa Subcellular Location: Nucleus
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— VALIDATION IMAGES —

Sample: Lane 1: Human HeLa cell lysates Lane 2: Human HUVEC cell lysates
Primary: Anti-MKP1 (bs-1851R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 39 kDa
Observed band size: 39 kDa

— SELECTED CITATIONS —

- **[IF=6.244]** Meng-ke Fan. et al. Siglec-15 Promotes Tumor Progression in Osteosarcoma via DUSP1/MAPK Pathway. Front Oncol. 2021; 11: 710689 WB ;Human. 34336699
- **[IF=5.008]** Kato, Hiroyuki, et al. "Connexin 32 dysfunction promotes ethanol-related hepatocarcinogenesis via activation of Dusp1-Erk axis." Oncotarget 7.2 (2016): 2009. IF ;Rat. 26655499
- **[IF=4.522]** Sha J et al. Dexmedetomidine improves acute stress - induced liver injury in rats by regulating MKP - 1, inhibiting NF - κB pathway and cell apoptosis. J Cell Physiol. 2019 Aug;234(8):14068-14078. IF ;Rat. 30618065
- **[IF=3.83]** Kouam et al. Induction of Mkp-1 and Nuclear Translocation of Nrf2 by Limonoids from Khaya grandifoliola C.DC Protect L-02 Hepatocytes against Acetaminophen-Induced Hepatotoxicity. (2017) Front.Pharmacol. 8:653 WB

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

;Human. 28974930

- **[IF=3.585]** Sha J et al. Dexmedetomidine attenuates lipopolysaccharide-induced liver oxidative stress and cell apoptosis in rats by increasing GSK-3 β /MKP-1/Nrf2 pathway activity via the α 2 adrenergic receptor. Toxicol Appl Pharmacol. 2019 Feb 1;364:144-152. WB ;Rat. 30597158