

bsm-52770R**[Primary Antibody]**

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DUSP1 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-1000) IHC-P (1:100-500) IHC-F (1:50-200) IF (1:100-500) Reactivity: (predicted: Human, Mouse, Rat) Predicted MW.: 39 kDa Subcellular Location: Nucleus
Clonality: Recombinant	CloneNo.: 4G7	
GeneID: 1843	SWISS: P28562	
Target: DUSP1		
Immunogen: A synthesized peptide derived from human DUSP1: 102-150/367.		
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.		

— SELECTED CITATIONS —

- **[IF=4.9]** Liu Nan-nan. et al. The regulatory role and mechanism of lncTUG1 on cartilage apoptosis and inflammation in osteoarthritis. ARTHRITIS RES THER. 2023 Dec;25(1):1-13 WB ;Human. 37340458