
DUSP1 Recombinant Rabbit mAb

Catalog Number: bsm-52770R

Target Protein: DUSP1

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 4G7

Isotype: IgG

Applications: WB (1:500-1000), IHC-P (1:100-500), IHC-F (1:50-200), IF (1:100-500), Flow-Cyt (1:50-100)

Reactivity: (predicted:Human, Mouse, Rat)

Predicted MW: 39 kDa

Entrez Gene: 1843

Swiss Prot: P28562

Source: KLH conjugated synthetic peptide derived from human DUSP1: 100-160/367.

Purification: affinity purified by Protein A

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.

PRODUCT SPECIFIC PUBLICATIONS

[IF=4.9] Liu Nan-nan. et al. The regulatory role and mechanism of IncTUG1 on cartilage apoptosis and inflammation in osteoarthritis.

ARTHRITIS RES THER. 2023 Dec;25(1):1-13 WB ; Human . 37340458