

Datasheet for ABIN743933
anti-DUSP1 antibody (pSer359)



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Overview

Quantity:	100 µL
Target:	DUSP1
Binding Specificity:	pSer359
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human MKP1 around the phosphorylation site of Ser359
Isotype:	IgG
Predicted Reactivity:	Human,Rat,Dog,Cow,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	DUSP1
Alternative Name:	MKP1 (DUSP1 Products)

Target Details

Background: Synonyms: Mitogen activated protein kinase phosphatase 1, CL 100, CL100, Dual Specificity Phosphatase 1, Dual specificity protein phosphatase 1, Dual specificity protein phosphatase hVH1, DUSP 1, EC 3.1.3.16, EC 3.1.3.48, HVH 1, HVH1, MAP kinase phosphatase 1, MKP 1, MKP1, MKP-1, Protein tyrosine phosphatase CL100, PTPN 10, PTPN10, Serine/threonine specific protein phosphatase, VH 1, VH1, 3ch134, Mkp1, Ptpn16.

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.

Gene ID: 1843

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months