

Datasheet for ABIN3016981

anti-DUSP1 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	DUSP1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide of human DUSP1 / MKP1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	DUSP1
Alternative Name:	DUSP1 (DUSP1 Products)
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

Target Details

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. Furthermore, it suppresses the activation of MAP kinase by oncogenic ras in extracts of *Xenopus* oocytes. Thus, DUSP1 may play an important role in the human cellular response to environmental stress as well as in the negative regulation of cellular proliferation. DUSP1, CL100, HVH1, MKP-1, MKP1, PTPN10, Signal Transduction, Kinase, MAPK-Erk Signaling Pathway, MAPK-JNK Signaling Pathway, DUSP1

Molecular Weight:	39 kDa
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Gene ID:	1843
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UniProt:	P28562
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Application Details

Application Notes:	WB, 1:500 - 1:2000, IF, 1:50 - 1:200
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Restrictions:	For Research Use only
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Handling

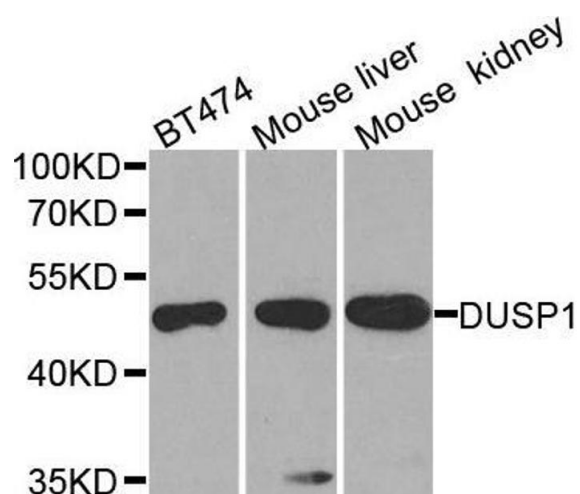
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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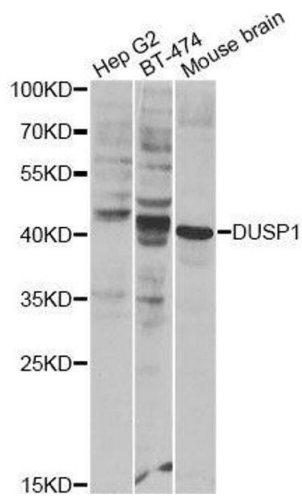
Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using DUSP1 antibody.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using DUSP1 Antibody.