

Datasheet for ABIN1391912  
**anti-DUSP6 antibody (FITC)**



[Go to Product page](#)

**1** Publication

## Overview

Quantity:	100 µL
Target:	DUSP6
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP6 antibody is conjugated to FITC
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DUSP6
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	DUSP6
Alternative Name:	Dusp6/Mkp-3 ( <a href="#">DUSP6 Products</a> )
Background:	Synonyms: Dual specificity phosphatase 6, Dual specificity phosphatase 6 isoform a, Dual specificity protein phosphatase 6, Dual specificity protein phosphatase PYST1, DUS6_HUMAN, DUSP 6, DUSP 6a, Dusp6, DUSP6a, MAP kinase phosphatase 3, Mitogen activated protein kinase phosphatase 3, Mitogen-activated protein kinase phosphatase 3, MKP 3, MKP-3, MKP3,

## Target Details

PYST 1, PYST1, Serine/threonine specic protein phosphatase.

Background: Mitogen-activated protein (MAP) kinases are a large class of proteins involved in signal transduction pathways that are activated by a range of stimuli and mediate a number of physiological and pathological changes in the cell. Dual specificity phosphatases (DSPs) are a subclass of the protein tyrosine phosphatase (PTP) gene superfamily, which are selective for dephosphorylating critical phosphothreonine and phosphotyrosine residues within MAP kinases. DSP gene expression is induced by a host of growth factors and/or cellular stresses, thereby negatively regulating MAP kinase superfamily members including MAPK/ERK, SAPK/JNK and p38. The members of the dual-specificity phosphatase protein family include MKP-1/CL100 (3CH134), VHR, PAC1, MKP-2, hVH-3 (B23), hVH-5, MKP-3, MKP-X, and MKP-4. Human MKP-3 maps to chromosome 12q22-q23 and encodes a 381 amino acid protein that specifically inactivates members of the ERK family and is expressed in a variety of tissues with the highest levels in heart and pancreas.

Gene ID:	8642
Pathways:	<a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a>

## Application Details

Application Notes:	IF(IHC-P): 1:50-200 Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

## Handling

---

Expiry Date: 12 months

## Publications

---

Product cited in: Li, Zhou, Ying, Shi, Cheng, Ren, Griffin, Jia, Li, Moorman, Yao: "Hepatitis C virus-induced reduction in miR-181a impairs CD4(+) T-cell responses through overexpression of DUSP6." in: **Hepatology (Baltimore, Md.)**, (2015) ([PubMed](#)).