

Datasheet for ABIN1882185

anti-DUSP6 antibody**2** Images**3** Publications[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	DUSP6
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP6 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	This Rat MKP3 antibody is generated from rabbits immunized with a 6xHIS-tagged recombinant protein encoding aa 1~381 of rat MKP3.
Clone:	RB7281
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by dialysis against PBS.

Target Details

Target:	DUSP6
Alternative Name:	MKP3 (DUSP6 Products)
Background:	Dual specificity protein tyrosine phosphatases (dsPTPs) are a subfamily of protein tyrosine phosphatases implicated in the regulation of mitogen-activated protein kinase (MAPK). MKP-1 (also known as CL100, 3CH134, Erp, and hVH-1) exemplifies a class of dual-specificity

Target Details

phosphatase able to reverse the activation of MAP kinases by dephosphorylating critical tyrosine and threonine residues. MKP-3 is 36 % identical to MKP-1 and it blocks both the phosphorylation and enzymatic activation of ERK2 by mitogens. MKP-3 mRNA is expressed in lung, heart, brain, and kidney, but not significantly in skeletal muscle or testis

Molecular Weight: 42319

NCBI Accession: [NP_446335](#)

UniProt: [Q64346](#)

Pathways: [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: WB: 1:1000. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

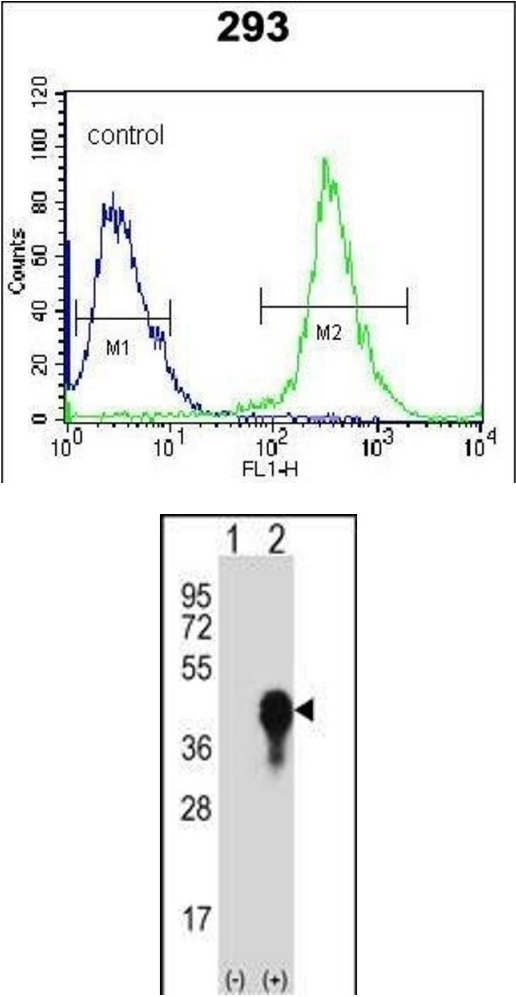
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Expiry Date: 6 months

Publications

Product cited in: Tekin, Erden, Ozyalin, Cigremis, Colak, Sandal: "The effects of intracerebroventricular infusion of irisin on feeding behaviour in rats." in: **Neuroscience letters**, Vol. 645, pp. 25-32, (2017) ([PubMed](#)).



Flow Cytometry

Image 1. Rat MKP3 Antibody (ABIN1882185 and ABIN2842276) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of MKP3 (arrow) using rabbit polyclonal MKP3-His6 Antibody (ABIN1882185 and ABIN2842276). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the MKP3 gene.