

Datasheet for ABIN1944866

anti-DUSP16 antibody**2** Images**4** Publications[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	DUSP16
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP16 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Isotype: IgG

Target Details

Target:	DUSP16
Alternative Name:	DUSP16 (DUSP16 Products)
Background:	Dual specificity protein phosphatase involved in the inactivation of MAP kinases. Dephosphorylates MAPK10 bound to ARRB2.
Molecular Weight:	73102 Da
Gene ID:	80824
UniProt:	Q9BY84

Application Details

Application Notes: IF: 1:100. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: **WARNING:** Reagents contain sodium azide. Sodium azide is very toxic if ingested or inhaled. Avoid contact with skin, eyes, or clothing. Wear eye or face protection when handling. If skin or eye contact occurs, wash with copious amounts of water. If ingested or inhaled, contact a physician immediately. Sodium azide yields toxic hydrazoic acid under acidic conditions. Dilute azide-containing compounds in running water before discarding to avoid accumulation of potentially explosive deposits in lead or copper plumbing.

Storage: 4 °C,-20 °C

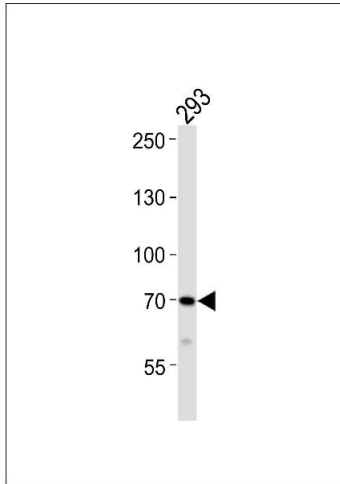
Publications

Product cited in: Willoughby, Collins: "Dynamic interaction between the dual specificity phosphatase MKP7 and the JNK3 scaffold protein beta-arrestin 2." in: **The Journal of biological chemistry**, Vol. 280, Issue 27, pp. 25651-8, (2005) ([PubMed](#)).

Masuda, Shima, Katagiri, Kikuchi: "Activation of ERK induces phosphorylation of MAPK phosphatase-7, a JNK specific phosphatase, at Ser-446." in: **The Journal of biological chemistry**, Vol. 278, Issue 34, pp. 32448-56, (2003) ([PubMed](#)).

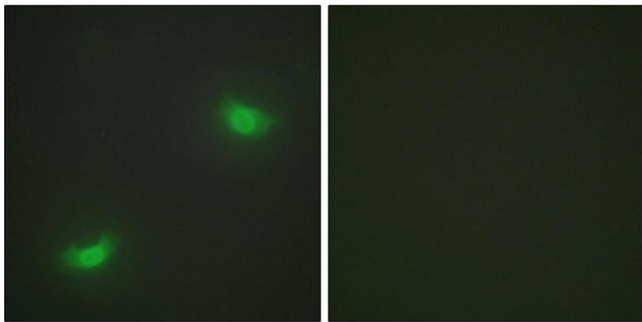
Hoornaert, Marynen, Goris, Sciote, Baens: "MAPK phosphatase DUSP16/MKP-7, a candidate tumor suppressor for chromosome region 12p12-13, reduces BCR-ABL-induced transformation." in: **Oncogene**, Vol. 22, Issue 49, pp. 7728-36, (2003) ([PubMed](#)).

Masuda, Shima, Watanabe, Kikuchi: "MKP-7, a novel mitogen-activated protein kinase phosphatase, functions as a shuttle protein." in: **The Journal of biological chemistry**, Vol. 276, Issue 42, pp. 39002-11, (2001) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of lysate from 293 cell line, using DUSP16 Antibody (ABIN484721 and ABIN1534102). ABIN484721 and ABIN1534102 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35 μ g.



Immunofluorescence

Image 2. Immunofluorescence analysis of HepG2 cells, using DUSP16 antibody.