

Datasheet for ABIN2856666  
**anti-DUSP7 antibody (C-Term)**[Go to Product page](#)

## 3 Images

## Overview

Quantity:	100 µL
Target:	DUSP7
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

## Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human DUSP7. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to DUSP7 (dual specificity phosphatase 7) DUSP7 antibody [C1C3]
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	DUSP7
---------	-------

## Target Details

Alternative Name:	dual specificity phosphatase 7 ( <a href="#">DUSP7 Products</a> )
Background:	Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. DUSP7 belongs to a class of DUSPs, designated MKPs, that dephosphorylate MAPK (mitogen-activated protein kinase) proteins ERK (see MIM 601795), JNK (see MIM 601158), and p38 (see MIM 600289) with specificity distinct from that of individual MKP proteins. MKPs contain a highly conserved C-terminal catalytic domain and an N-terminal Cdc25 (see MIM 116947)-like (CH2) domain. MAPK activation cascades mediate various physiologic processes, including cellular proliferation, apoptosis, differentiation, and stress responses (summary by Patterson et al., 2009 [PubMed 19228121]).[supplied by OMIM]
Molecular Weight:	45 kDa
Gene ID:	1849
UniProt:	<a href="#">Q16829</a>
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:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: Raji
Restrictions:	For Research Use only

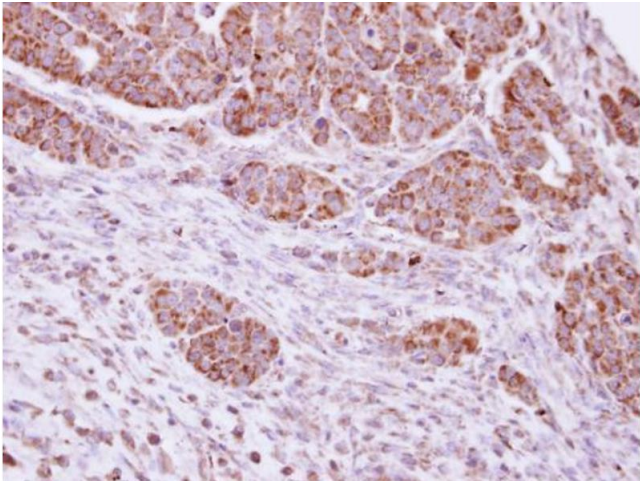
## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

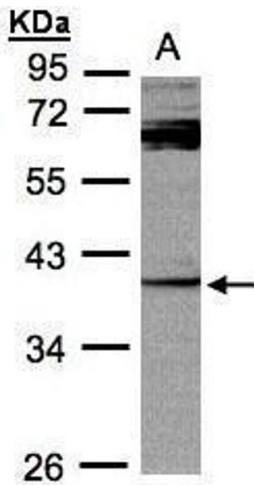
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #100014 for Immunofluorescence (IF)



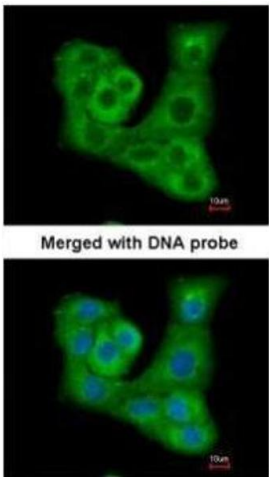
**Immunohistochemistry**

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded NCIN87 xenograft, using DUSP7 , antibody at 1:100 dilution.



**Western Blotting**

**Image 2.** WB Image Sample (30µg whole cell lysate) A:Raji , 10% SDS PAGE antibody diluted at 1:1000



**Immunofluorescence**

**Image 3.** ICC/IF Image Immunofluorescence analysis of paraformaldehyde-fixed A549, using DUSP7 , antibody at 1:200 dilution.