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# Datasheet for ABIN389532 anti-CDC25A antibody (pThr507)

3 Images

2 Publications



### Overview

Quantity:	400 μL
Target:	CDC25A
Binding Specificity:	AA 480-514, pThr507
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC25A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

## Product Details

Immunogen:	This CDC25A Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T507 of human CDC25A.
Clone:	RB7856
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	

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Target:

CDC25A

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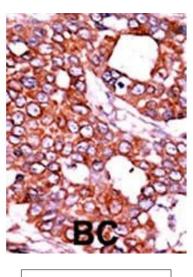
Alternative Name:	CDC25A (CDC25A Products)
Background:	CDC25A is a member of the CDC25 family of phosphatases. CDC25A is required for
	progression from G1 to the S phase of the cell cycle. It activates the cyclin-dependent kinase
	CDC2 by removing two phosphate groups. CDC25A is specifically degraded in response to DNA
	damage, which prevents cells with chromosomal abnormalities from progressing through cell
	division. CDC25A is an oncogene, although its exact role in oncogenesis has not been
	demonstrated. Two transcript variants encoding different isoforms have been found for this
	gene.
Molecular Weight:	59087
NCBI Accession:	NP_001780, NP_963861
UniProt:	P30304
Pathways:	Cell Division Cycle, Mitotic G1-G1/S Phases, M Phase
Application Details	
Application Notes:	IF: 1:25. WB: 1:250. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal 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
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C.
Expiry Date:	6 months
Publications	
Product cited in:	Curioni-Fontecedro, Knights, Tinguely, Nuber, Schneider, Thomson, von Boehmer, Bossart,
	Pahlich, Gehring, Moch, Renner, Knuth, Zippelius: "MAGE-C1/CT7 is the dominant cancer-testis

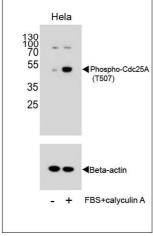
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN389532 | 09/12/2023 | Copyright antibodies-online. All rights reserved. antigen targeted by humoral immune responses in patients with multiple myeloma." in: **Leukemia**, Vol. 22, Issue 8, pp. 1646-8, (2008) (PubMed).

Dubovsky, Albertini, McNeel: "MAD-CT-2 identified as a novel melanoma cancer-testis antigen using phage immunoblot analysis." in: **Journal of immunotherapy (Hagerstown, Md. : 1997)**, Vol. 30, Issue 7, pp. 675-83, (2007) (PubMed).

Kondo, Zhu, Asa, Ezzat: "The cancer/testis antigen melanoma-associated antigen-A3/A6 is a novel target of fibroblast growth factor receptor 2-IIIb through histone H3 modifications in thyroid cancer." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 13, Issue 16, pp. 4713-20, (2007) (PubMed).

## Images





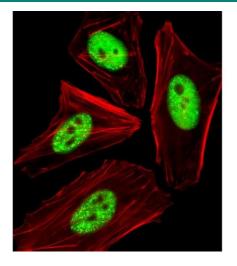
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

#### **Western Blotting**

**Image 2.** Western blot analysis of extracts from Hela cells, untreated or treated with calyculin A, using Phospho-Cdc25A Antibody.

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#### Immunofluorescence

**Image 3.** Fluorescent image of HeLa cells stained with Phospho-CDC25A Antibody A. A was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).

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