

Datasheet for ABIN389530

anti-CDC25A antibody (pSer293)



[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	CDC25A
Binding Specificity:	pSer293
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC25A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CDC25A Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S293 of human CDC25A.
Clone:	RB7641
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CDC25A
Alternative Name:	CDC25A (CDC25A Products)
Background:	CDC25A is a member of the CDC25 family of phosphatases. CDC25A is required for

Target Details

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.

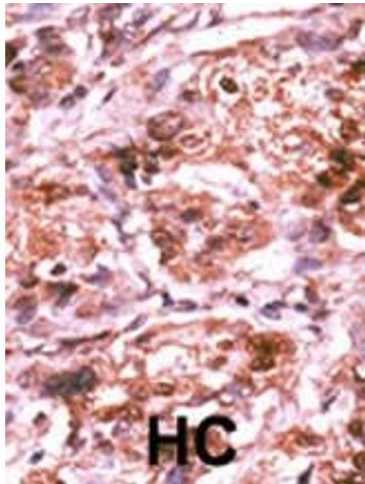
Molecular Weight:	59087
Gene ID:	993
NCBI Accession:	NP_001780 , NP_963861
UniProt:	P30304
Pathways:	Cell Division Cycle , Mitotic G1-G1/S Phases , M Phase

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

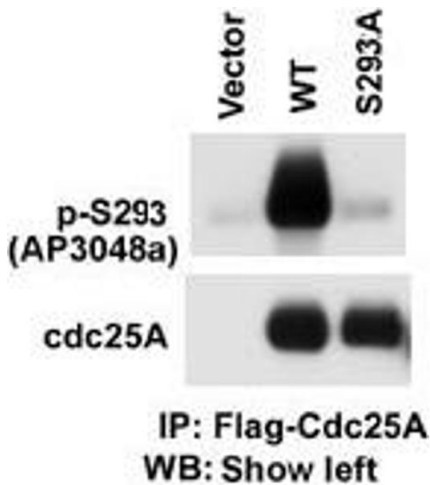
Handling

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 in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



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. The anti-Phospho-CDC25A- Pab (ABIN389530 and ABIN2839578) is used in Western blot to detect Phospho-CDC25A- in cells transfected with wild type or mutant A of CDC25A. Data courtesy of Dr. Tiebang Kang of Washington University, St. Louis, MO.