

Datasheet for ABIN3030448
anti-CDC25A antibody (pSer293)



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2 Images

Overview

Quantity:	0.4 mL
Target:	CDC25A
Binding Specificity:	pSer293
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC25A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This phospho-CDC25A antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pS293 of human CDC25A.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	CDC25A
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

Target Details

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.

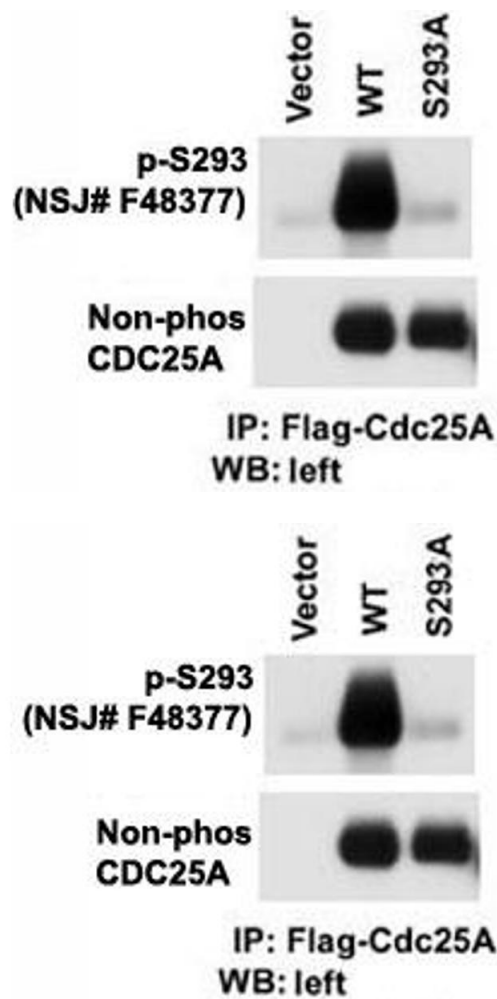
UniProt:	P30304
Pathways:	Cell Division Cycle , Mitotic G1-G1/S Phases , M Phase

Application Details

Application Notes:	Titration of the phospho-CDC25A antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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:	-20 °C
Storage Comment:	Aliquot the phospho-CDC25A antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot testing of phospho-CDC25A antibody and cells transfected with wild type or mutant S293A of CDC25A. Data courtesy of Dr. Tiebang Kang of Washington University, St. Louis, MO.

Western Blotting

Image 2. Western blot testing of phospho-CDC25A antibody and cells transfected with wild type or mutant S293A of CDC25A. Data courtesy of Dr. Tiebang Kang of Washington University, St. Louis, MO.