

Datasheet for ABIN391380
anti-CDC25B antibody (AA 331-360)

3 Images

1 Publication

[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	CDC25B
Binding Specificity:	AA 331-360
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CDC25B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CDC25B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 331-360 amino acids from the Central region of human CDC25B.
Clone:	RB07936
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CDC25B
Alternative Name:	CDC25B (CDC25B Products)
Background:	CDC25B is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin

Target Details

dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined.

Molecular Weight:	64987
Gene ID:	994
NCBI Accession:	NP_004349 , NP_068658 , NP_068659
UniProt:	P30305
Pathways:	Cell Division Cycle , M Phase , Autophagy

Application Details

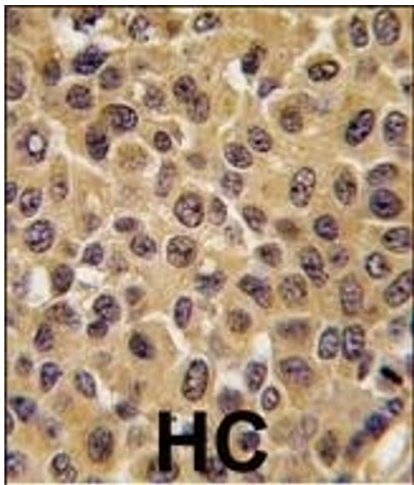
Application Notes:	WB: 1:1000. WB: 1:2000. IHC-P: 1:10~50
Restrictions:	For Research Use only

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

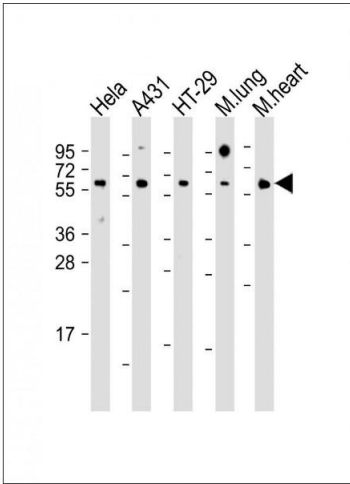
Publications

Product cited in:	Humbert, Navaratnam, Augert, Da Costa, Martien, Wang, Martinez, Abbadie, Carling, de Launoit, Gil, Bernard: "Regulation of ploidy and senescence by the AMPK-related kinase NUA1." in: The EMBO journal , Vol. 29, Issue 2, pp. 376-86, (2010) (PubMed).
-------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------



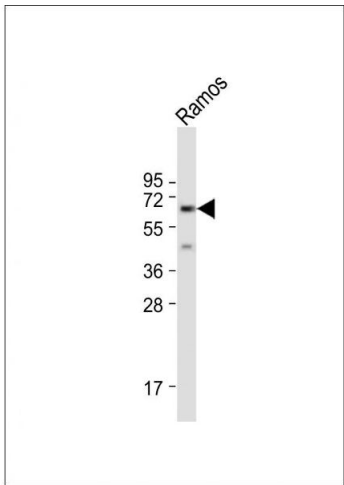
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with CDC25B antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. All lanes : Anti-CDC25B Antibody (Center) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: A431 whole cell lysate Lane 3: HT-29 whole cell lysate Lane 4: mouse lung lysate Lane 5: mouse heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. Anti-CDC25B Antibody at 1:2000 dilution + Ramos whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 63 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.