

Rabbit anti-Human CDC25B Polyclonal Antibody | anti-CDC25B antibody

CDC25B Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285240	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

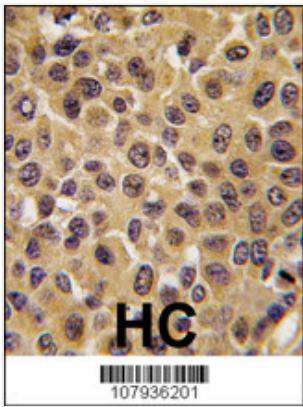
PRODUCT SYNONYMS

CDC25B; Polyclonal Antibody; CDC25B Antibody (Center); M-phase inducer phosphatase 2; Dual specificity phosphatase Cdc25B; CDC25HU2; anti-CDC25B antibody

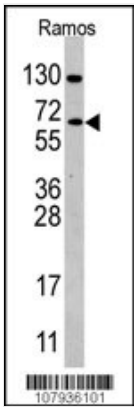
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.396 (varies by lot)
Sequence Positions	331-360
Sequence Length	601
Applicable Applications for anti-CDC25B antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
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.



WB (Western Blot)
Western blot analysis of anti-CDC25B Antibody (Center) in Ramos cell line lysates (35ug/lane). CDC25B (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CDC25B antibody	CDC25B is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin 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.
Product Categories/Family for anti-CDC25B antibody	Cancer; Cell biology
References	Uchida, S., et al., Biochem. Biophys. Res. Commun. 316(1):226-232 (2004). Ito, Y., et al., Int. J. Mol. Med. 13(3):431-435 (2004). Wu, W., et al., Cancer Res. 63(19):6195-6199 (2003). Mils, V., et al., Exp. Cell Res. 285(1):99-106 (2003). Theis-Febvre, N., et al., Oncogene 22(2):220-232 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757950
NCBI GeneID	994
NCBI Accession #	NP_004349.1; NP_068658.1; NP_068659.1
NCBI GenBank Nucleotide #	NM_004358.4
UniProt Accession #	P30305; O43551; Q13971; Q5JX77; Q6RSS1; Q9BRA6; D3DVY1; D3DVY2; D3DVY3; D3DVY4
Molecular Weight	64987
NCBI Official Full Name	M-phase inducer phosphatase 2 isoform 2
NCBI Official Synonym Full Names	cell division cycle 25B
NCBI Official Symbol	CDC25B
NCBI Protein Information	M-phase inducer phosphatase 2
UniProt Protein Name	M-phase inducer phosphatase 2
UniProt Gene Name	CDC25B
UniProt Synonym Gene Names	CDC25HU2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cdc25b-antibody-immunohistochemistry-western-blot-elisa/285240>