

anti-Human, Rat Cdc6 Polyclonal Antibody | anti-CDC6 antibody

Anti-Cdc6 Antibody

CATALOG # AAA46508	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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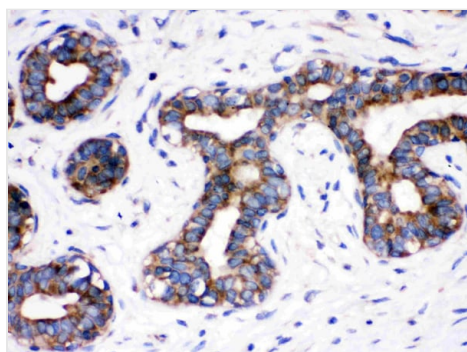
PRODUCT SYNONYMS

Cdc6; Polyclonal Antibody; Anti-Cdc6 Antibody; Cell division control protein 6 homolog; Cdc 18L; Cdc 6; CDC18 (cell division cycle 18; S.pombe; homolog) like; CDC18 (S.pombe); Cdc18 related protein; CDC18(S.pombe); Cdc18-related protein; Cdc18L; cdc6; CDC6 cell division cycle 6 homolog; CDC6 related protein; CDC6-related protein; CDC6_HUMAN; Cdc6p; Cell Cycle Controller; CELL CYCLE CONTROLLER CDC6; Cell division control protein 6; Cell Division Cycle 18; Cell division cycle 6 homolog (S. cerevisiae); Cell division cycle 6 homolog; HsCDC 6; HsCDC18; HsCDC6; p62; p62(cdc 6); p62(cdc6); cell division cycle 6; anti-CDC6 antibody

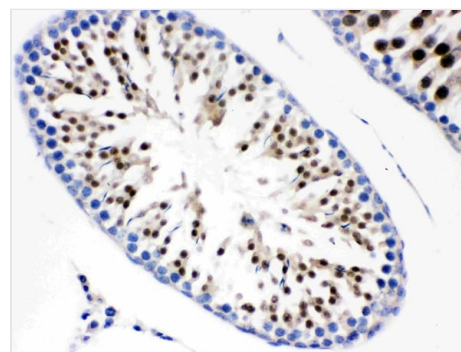
PRODUCT SPECIFICATIONS

Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	560
Applicable Applications for anti-CDC6 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Cdc6 recombinant protein (Position: V147-A549). Human Cdc6 shares 87.3% amino acid (aa) sequence identity with mouse Cdc6.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

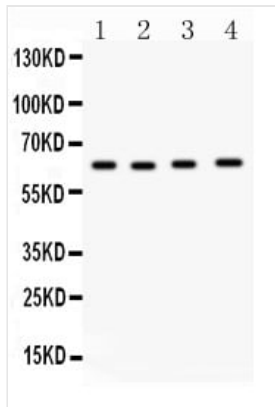
IMAGES



IHC (Immunohistochemistry)
Anti- Cdc6 Picoband antibody, AAA46508, IHC(P)IHC(P): Human Mammary Cancer Tissue



IHC (Immunohistochemistry)
Anti- Cdc6 Picoband antibody, AAA46508, IHC(P)IHC(P): Rat Testis Tissue



WB (Western Blot)

Anti- Cdc6 Picoband antibody, AAA46508, Western blottingAll lanes: Anti Cdc6 (AAA46508) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: JURKAT Whole Cell Lysate at 40ugLane 3: MM231 Whole Cell Lysate at 40ugLane 4: HT1080 Whole Cell Lysate at 40ugPredicted bind size: 63KDObserved bind size: 63KD

ADDITIONAL INFORMATION

Related Product Information for anti-CDC6 antibody	Description: Rabbit IgG polyclonal antibody for Cell division control protein 6 homolog(CDC6) detection. Tested with WB, IHC-P in Human;Rat. Background: Cell division control ptein 6 homolog, also called CDC18L or CDC6, is a protein that in humans is encoded by the CDC6 gene. By analysis of somatic cell hybrids and by fluorescence in situ hybridization, this gene is mapped to 17q21.2. The protein encoded by this gene is highly similar to <i>Saccharomyces cerevisiae</i> Cdc6, a protein essential for the initiation of DNA replication. And this protein functions as a regulator at the early steps of DNA replication. It localizes in cell nucleus during cell cyle G1, but translocates to the cytoplasm at the start of S phase. The subcellular translocation of this protein during cell cyle is regulated through its phosphorylation by Cdks. Transcription of this protein was reported to be regulated in response to mitogenic signals through transcriptional control mechanism involving E2F proteins. This gene is involved in the initiation of DNA replication.
References	1. Gonzalez, S., Klatt, P., Delgado, S., Conde, E., Lopez-Rios, F., Sanchez-Cespedes, M., Mendez, J., Antequera, F., Serrano, M. Oncogenic activity of Cdc6 through repression of the INK4/ARF locus. <i>Nature</i> 440: 702-706, 2006. 2. Mimura, S., Seki, T., Tanaka, S., Diffley, J. F. X. Phosphorylation-dependent binding of mitotic cyclins to Cdc6 contributes to DNA replication control. <i>Nature</i> 431: 1118-1123, 2004. 3. Whitmire, E., Khan, B., Coue, M. Cdc6 synthesis regulates replication competence in <i>Xenopus</i> oocytes. <i>Nature</i> 419: 722-725, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502703
NCBI GeneID	990
NCBI Accession #	NP_001245.1
NCBI GenBank Nucleotide #	NM_001254.3
UniProt Accession #	Q99741; Q8TB30
Molecular Weight	62,720 Da
NCBI Official Full Name	cell division control protein 6 homolog
NCBI Official Synonym Full Names	cell division cycle 6
NCBI Official Symbol	CDC6
NCBI Official Synonym Symbols	CDC18L; HsCDC6; HsCDC18
NCBI Protein Information	cell division control protein 6 homolog
UniProt Protein Name	Cell division control protein 6 homolog

UniProt Gene Name	CDC6
UniProt Synonym Gene Names	CDC18L; HsCdc18; HsCDC6
UniProt Entry Name	CDC6_HUMAN

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://stage.aaabiotech.com/polyclonal/cdc6-antibody-immunohistochemistry-western-blot-elisa/46508>