

Rabbit Cdc20/P55 Cdc Polyclonal Antibody | anti-CDC20 antibody

Anti-Cdc20/P55 Cdc Picoband Antibody

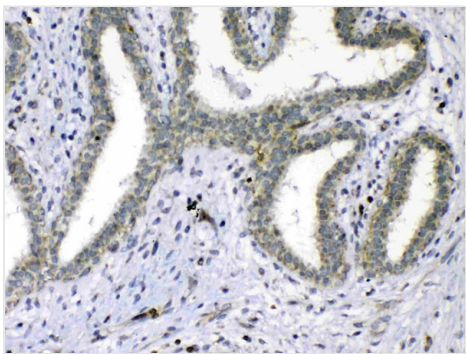
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA19132	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Cdc20/P55 Cdc; Polyclonal Antibody; Anti-Cdc20/P55 Cdc Picoband Antibody; Cell division cycle protein 20 homolog; p55CDC; CDC20; anti-CDC20 antibody

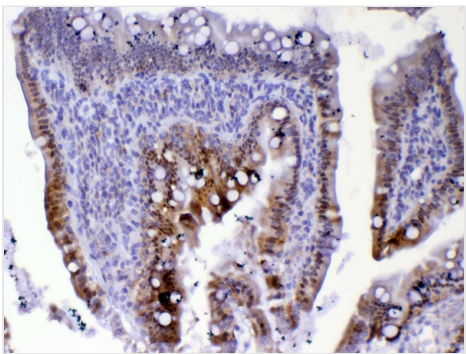
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	499
Applicable Applications for anti-CDC20 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	WB: 0.1-0.5mug/ml Immunohistochemistry (Paraffin-embedded Section): 0.5-1mug/ml
Immunogen	A synthetic peptide corresponding to a sequence of human Cdc20 (QTPTKKEHQKAWALNLNGFDVEEAKILRLSGKPQNAPEGYQNRCLKVLYSQKAT).
Subcellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



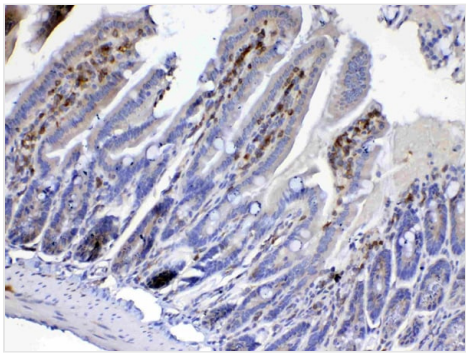
IHC (Immunohistochemistry)

Figure 6. IHC analysis of Cdc20 using anti-Cdc20 antibody (AAA19132).Cdc20 was detected in paraffin-embedded section of human mammary cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Cdc20 Antibody (AAA19132) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



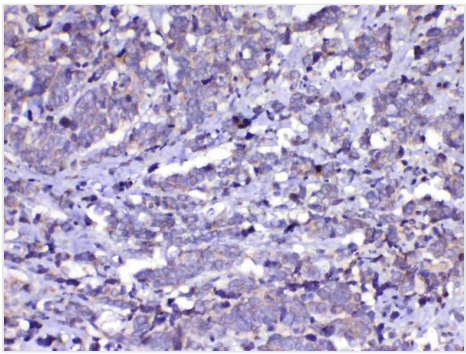
IHC (Immunohistochemistry)

Figure 5. IHC analysis of Cdc20 using anti-Cdc20 antibody (AAA19132).Cdc20 was detected in paraffin-embedded section of rat small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Cdc20 Antibody (AAA19132) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



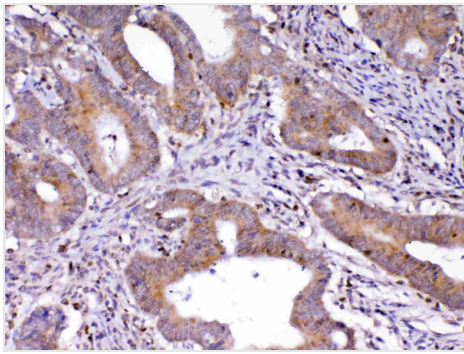
IHC (Immunohistochemistry)

Figure 4. IHC analysis of Cdc20 using anti-Cdc20 antibody (AAA19132).Cdc20 was detected in paraffin-embedded section of mouse small intestine tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Cdc20 Antibody (AAA19132) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



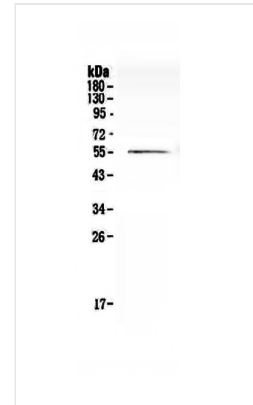
IHC (Immunohistochemistry)

Figure 3. IHC analysis of Cdc20 using anti-Cdc20 antibody (AAA19132).Cdc20 was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Cdc20 Antibody (AAA19132) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of Cdc20 using anti-Cdc20 antibody (AAA19132). Cdc20 was detected in paraffin-embedded section of human colon cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-Cdc20 Antibody (AAA19132) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of Cdc20 using anti-Cdc20 antibody (AAA19132). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Cdc20 antigen affinity purified polyclonal antibody at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Cdc20 at approximately 55KD. The expected band size for Cdc20 is at 55KD.

ADDITIONAL INFORMATION

Related Product Information for anti-CDC20 antibody	Required for full ubiquitin ligase activity of the anaphase promoting complex/cyclosome (APC/C) and may confer substrate specificity upon the complex. Is regulated by MAD2L1: in metaphase the MAD2L1-CDC20-APC/C ternary complex is inactive and in anaphase the CDC20-APC/C binary complex is active in degrading substrates. The CDC20-APC/C complex positively regulates the formation of synaptic vesicle clustering at active zone to the presynaptic membrane in postmitotic neurons. CDC20-APC/C-induced degradation of NEUROD2 induces presynaptic differentiation.
Product Categories/Family for anti-CDC20 antibody	Cell Biology; Proteolysis/Ubiquitin; Proteasome/Ubiquitin; apc/c

NCBI AND UNIPROT INFORMATION

NCBI GI #	118402582
NCBI GeneID	991
NCBI Accession #	NP_001246.2
NCBI GenBank Nucleotide #	NM_001255.2
UniProt Accession #	Q12834; Q5JUY4; Q9BW56; Q9UQI9; B2R6Z6; D3DPJ1
Molecular Weight	54,723 Da
NCBI Official Full Name	cell division cycle protein 20 homolog
NCBI Official Synonym Full Names	cell division cycle 20
NCBI Official Symbol	CDC20
NCBI Official Synonym Symbols	CDC20A; p55CDC; bA276H19.3
NCBI Protein Information	cell division cycle protein 20 homolog
UniProt Protein Name	Cell division cycle protein 20 homolog
UniProt Gene Name	CDC20

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/cdc20-p55-cdc-antibody-immunohistochemistry-western-blot-elisa/19132>