

Rabbit anti-Human CDC16 Polyclonal Antibody | anti-CDC16 antibody

CDC16 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322499	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CDC16; Polyclonal Antibody; CDC16 Antibody; ANAPC6; Anaphase promoting complex subunit 6; Anaphase-promoting complex subunit 6; Apc 6; APC6; CDC 16; CDC16 (cell division cycle 16 S. cerevisiae homolog); Cdc16; CDC16 homolog; CDC16 protein; CDC16_HUMAN; CDC16Hs; Cell division cycle 16; Cell division cycle 16 homolog; Cell division cycle protein 16 homolog; CUT9; Cyclosome subunit 6; anti-CDC16 antibody

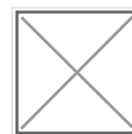
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Cdc16 antibody detects endogenous levels of total Cdc16
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	620
Applicable Applications for anti-CDC16 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cdc16
Subcellular Location	Cytoplasm > Cytoskeleton > Centrosome. Cytoplasm > Cytoskeleton > Spindle. Colocalizes with CDC27 to the centrosome at all stages of the cell cycle and to the mitotic spindle.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts from various samples, using Cdc16 Antibody. Lane 1: HepG2 treated with blocking peptide. Lane 2: HepG2; Lane 3: HUVEC;


WB (Western Blot)

Western blot analysis of Cdc16 using NIH-3T3 whole cell lysates



IF (Immunofluorescence)

AAA322499 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CDC16 antibody	Function: Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'-and 'Lys-63'-linked polyubiquitin chains. Subunit Structure: V-shaped homodimer. Interacts with CDC26. The mammalian APC/C is composed of 14 distinct subunits that assemble into a complex of at least 19 chains with a combined molecular mass of around 1.2 MDa. Interacts with PPP5C and CDC20. Post-translational Modifications: Phosphorylated. Phosphorylation on Ser-560 occurs specifically during mitosis. Similarity: TPR repeats 1-7 mediate homodimerization, while the C-terminal TPR repeats bind to CDC26, burying its hydrophobic N-terminus. Belongs to the APC6/CDC16 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118402578
NCBI GeneID	8881
NCBI Accession #	NP_001072113.1
NCBI GenBank Nucleotide #	NM_001078645.2
UniProt Accession #	Q13042; Q5T8C8; Q7Z651; Q96AE6; Q9Y564; A2A365
Molecular Weight	Observed: 72 kDa Predicted: 72 kDa
NCBI Official Full Name	cell division cycle protein 16 homolog isoform 1
NCBI Official Synonym Full Names	cell division cycle 16
NCBI Official Symbol	CDC16
NCBI Official Synonym Symbols	APC6; CUT9; ANAPC6; CDC16Hs
NCBI Protein Information	cell division cycle protein 16 homolog
UniProt Protein Name	Cell division cycle protein 16 homolog
UniProt Gene Name	CDC16
UniProt Synonym Gene Names	ANAPC6; APC6; CDC16Hs

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/cdc16-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322499>