

Rabbit CDC5L Polyclonal Antibody | anti-CDC5L antibody

CDC5L Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327101	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

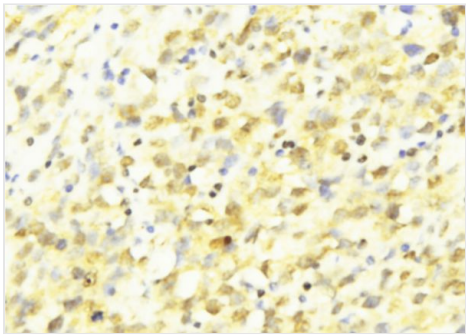
PRODUCT SYNONYMS

CDC5L; Polyclonal Antibody; CDC5L Antibody; CDC5; CDC5 cell division cycle 5-like (S. pombe); Cdc5 related protein; CDC5-LIKE; Cdc5-like protein; Cdc5l; CDC5L_HUMAN; CEF1; Cell division cycle 5 S. pombe homolog of; Cell division cycle 5-like protein; dJ319D22.1; KIAA0432; PCDC5RP; Pombe Cdc5 related protein; Pombe Cdc5-related protein; anti-CDC5L antibody

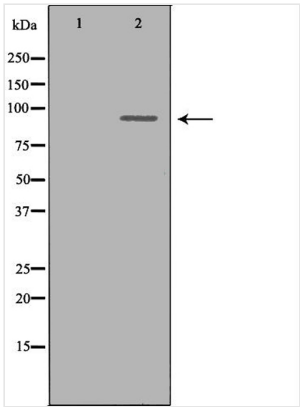
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CDC5L antibody detects endogenous levels of total CDC5L
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	802
Applicable Applications for anti-CDC5L antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CDC5L
Subcellular Location	Nucleus. Nucleus Speckle. Cytoplasm. May shuttle between cytoplasm and nucleus.
Tissue Specificity	Ubiquitously expressed in both fetal and adult tissues.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA327101 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using CDC5L Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CDC5L antibody

Description: The protein encoded by this gene shares a significant similarity with *Schizosaccharomyces pombe* *cdc5* gene product, which is a cell cycle regulator important for G2/M transition. This protein has been demonstrated to act as a positive regulator of cell cycle G2/M progression. It was also found to be an essential component of a non-snRNA spliceosome, which contains at least five additional protein factors and is required for the second catalytic step of pre-mRNA splicing.

Function: DNA-binding protein involved in cell cycle control. May act as a transcription activator. Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. The PRP19-CDC5L complex may also play a role in the response to DNA damage (DDR).

Subunit Structure: Homodimer. Interacts with DAPK3 (By similarity). Belongs to the spliceosome complex. Part of a spliceosomal 'core' complex consisting of CDC5L, PLRG1, SPF27, CCAP1, CCAP3 and CCAP6. Interacts with PLRG1, Lodestar/TTF2, and NIPP1/PPP1R8. Identified in the spliceosome C complex. Component of the PRP19-CDC5L splicing complex composed of a core complex comprising a homotetramer of PRPF19, CDC5L, PLRG1 and BCAS2, and at least three less stably associated proteins CTNNBL1, CWC15 and HSPA8. Interacts (via its C-terminus) directly in the complex with PRPF19 and BCAS2. Interacts (via its C-terminus) directly with PRGL1 (via its WD40 repeat domain); the interaction is required for mRNA splicing but not for spliceosome assembly. Also interacts with CTNNBL1. Interacts with PRPF19 (via N-terminus) (By similarity).

Post-translational Modifications: Phosphorylated on serine and threonine residues. Phosphorylation on Thr-411 and Thr-438 is required for CDC5L-mediated mRNA splicing. Has no effect on subcellular location nor on homodimerization. Phosphorylated in vitro by CDK2. Phosphorylation enhances interaction with PPP1R8.

Similarity: Belongs to the CEF1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11067747
NCBI GeneID	988
NCBI Accession #	NP_001244.1
NCBI GenBank Nucleotide #	NM_001253.3
UniProt Accession #	Q99459; Q76N46; Q99974
Molecular Weight	Observed: 92 kDa Predicted: 93 kDa
NCBI Official Full Name	cell division cycle 5-like protein
NCBI Official Synonym Full Names	cell division cycle 5 like
NCBI Official Symbol	CDC5L
NCBI Official Synonym Symbols	CDC5; CEF1; PCDC5RP; CDC5-LIKE; dJ319D22.1

NCBI Protein Information	cell division cycle 5-like protein
UniProt Protein Name	Cell division cycle 5-like protein
UniProt Gene Name	CDC5L
UniProt Synonym Gene Names	KIAA0432; PCDC5RP; Cdc5-like protein

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/cdc5l-antibody-immunohistochemistry-western-blot-elisa/327101>