10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CDC5L Antibody

Catalog # ABO11429

Product Information

Application	WB
Primary Accession	Q99459
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Cell division cycle 5-like protein(CDC5L) detection. Tested with WB in Human;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	988
Other Names	Cell division cycle 5-like protein, Cdc5-like protein, Pombe cdc5-related protein, CDC5L, KIAA0432, PCDC5RP
Calculated MW	92251
Application Details	Western blot, 0.1-0.5 □g/ml, Human, Rat
Subcellular Localization	Nucleus . Nucleus speckle . Cytoplasm . May shuttle between cytoplasm and nucleus. .
Tissue Specificity	Ubiquitously expressed in both fetal and adult tissues. .
Source	Eukaryota
Protein Name	Cell division cycle 5-like protein
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CDC5L(782-802aa KELQHRYADLLLEKETLKSKF), different from the related rat and mouse sequences by four amino acids.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20˚C for one year. After r˚Constitution, at 4˚C for one month. It˚Can also

	be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the CEF1 family.

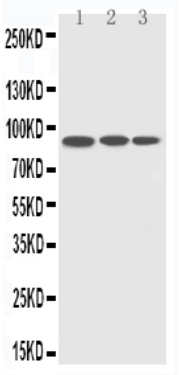
Protein Information

Name	CDC5L
Synonyms	KIAA0432, PCDC5RP
Function	DNA-binding protein involved in cell cycle control. May act as a transcription activator. Plays a role in pre-mRNA splicing as core component of precatalytic, catalytic and postcatalytic spliceosomal complexes (PubMed:11991638, PubMed:20176811, PubMed:28076346, PubMed:28502770, PubMed:29301961, PubMed:29360106, PubMed:29361316, PubMed:30705154, PubMed:30728453). 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) (PubMed:20176811). As a component of the minor spliceosome, involved in the splicing of U12- type introns in pre-mRNAs (Probable).
Cellular Location	Nucleus. Nucleus speckle. Cytoplasm Note=May shuttle between cytoplasm and nucleus
Tissue Location	Ubiquitously expressed in both fetal and adult tissues.

Background

Cell division cycle 5-like protein, also called PCDC5RP or CDC5-like, is a protein that in humans is encoded by the CDC5L gene. The CDC5L gene was mapped to chromosome 6p21 by fluorescence in situ hybridization. This DNA-binding protein involved in cell cycle control. It may act as a transcription activator. The Component of the PRP19-CDC5L complex forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. The role of CDC5(Polo-like kinase) in regulating Rho1 is likely to be relevant to cytokinesis and asymmetric cell division in other organisms.

Images



Anti-CDC5L antibody, ABO11429, Western blottingLane 1: HELA Cell LysateLane 2: RAJI Cell LysateLane 3: A549 Cell Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.