

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 µg/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 Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CDC5L(782-802aa KELQHR _Y ADLLLEKETLKSKF), 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

Sequence Similarities

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

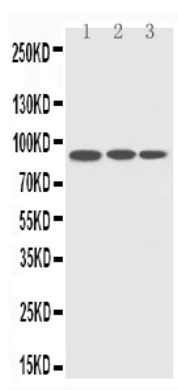
Protein Information

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 blotting
Lane 1: HELA Cell Lysate
Lane 2: RAJI Cell Lysate
Lane 3: A549 Cell Lysate

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