



Cdc5L Polyclonal Antibody

Catalog No	BYab-16689
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;ELISA
Gene Name	CDC5L
Protein Name	Cell division cycle 5-like protein
Immunogen	The antiserum was produced against synthesized peptide derived from human CDC5L. AA range:721-770
Specificity	Cdc5L Polyclonal Antibody detects endogenous levels of Cdc5L protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CDC5L; KIAA0432; PCDC5RP; Cell division cycle 5-like protein; Cdc5-like protein; Pombe cdc5-related protein
Observed Band	
Cell Pathway	Nucleus . Nucleus speckle . Cytoplasm . May shuttle between cytoplasm and nucleus. .
Tissue Specificity	Ubiquitously expressed in both fetal and adult tissues.
Function	disease:A chromosomal aberration involving CDC5L is found in multicystic renal dysplasia. Translocation t(6;19)(p21;q13.1) with USF2.,function:DNA-binding protein involved in cell cycle control. May act as a transcription activator. Also seems to be involved in the second catalytic step of pre-mRNA splicing.,PTM:Phosphorylated; which enhances interaction with PPP1R8.,similarity:Belongs to the CEF1 family.,similarity:Contains 2 HTH myb-type DNA-binding domains.,subcellular location:May shuttle between cytoplasm and nucleus.,subunit:Homodimer. Interacts with DAPK3 (By similarity). Binds to DNA. Binds to adeno-pre-mRNA in an ATP-stimulated manner. Belongs to the spliceosome complex. Part of a spliceosomal 'core' complex consisting of

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CDC5L, PLRG1, SPF27, CCAP1, CCAP3 and CCAP6. Interacts with PLRG1, Lodestar/TTF2, and NIPP1/PPP1R8. Identified in the spliceosome C complex, at least composed

Background

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. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

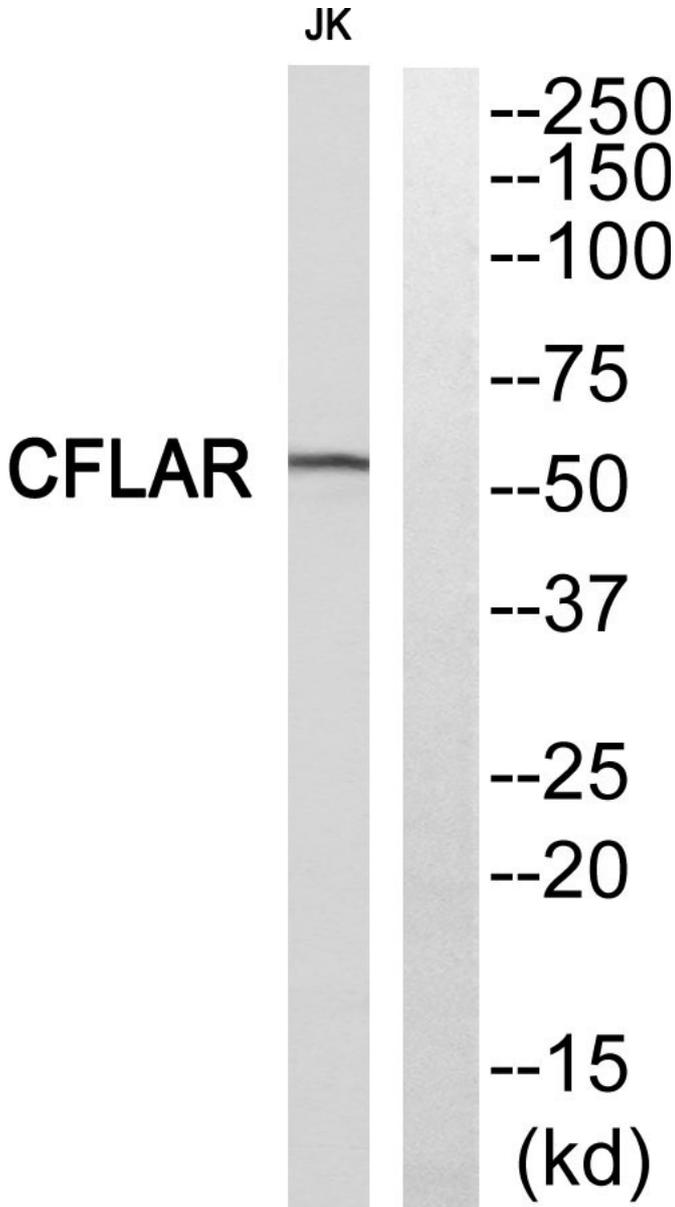
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

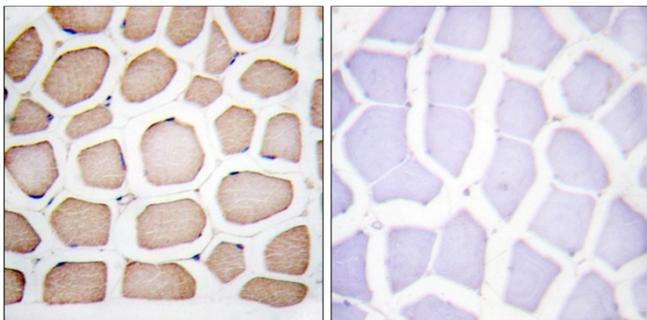
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Products Images

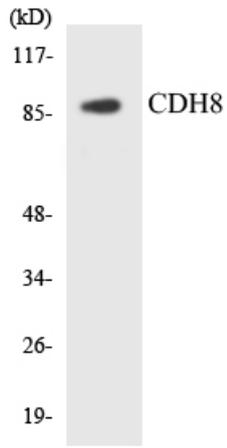


Western blot analysis of CDC5L Antibody. The lane on the right is blocked with the CDC5L peptide.



Immunohistochemistry analysis of paraffin-embedded human smooth muscle, using CDC5L Antibody. The lane on the right is blocked with the CDC5L peptide.

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Western blot analysis of the lysates from HeLa cells using CDH8 antibody.