

## **Cdc5L Polyclonal Antibody**

Catalog No: YT0815

**Reactivity:** Human; Mouse; Rat

**Applications:** IHC;IF;ELISA

Target: Cdc5L

Fields: >>Spliceosome

Gene Name: CDC5L

**Protein Name:** Cell division cycle 5-like protein

Q99459

Q6A068

Human Gene Id: 988

**Human Swiss Prot** 

No:

Mouse Gene Id: 71702

**Mouse Swiss Prot** 

No:

Rat Gene ld: 85434

Rat Swiss Prot No: 008837

**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

**Dilution:** IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

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**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

**Storage Stability:** -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight: 92kD

**Cell Pathway:** Spliceosome;

**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],

**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 mybtype 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 CDC5L,

PLRG1, SPF27, CCAP1, CCAP3 and CCAP6. Interacts with PLRG1,

Lodestar/TTF2, and NIPP1/PPP1R8. Identified in the spliceosome C complex, at

least composed

Subcellular Location:

Nucleus . Nucleus speckle . Cytoplasm . May shuttle between cytoplasm and

nucleus..

**Expression:** Ubiquitously expressed in both fetal and adult tissues.

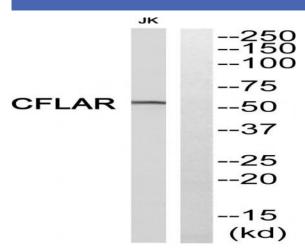
**Sort**: 3756

**No4**: 1

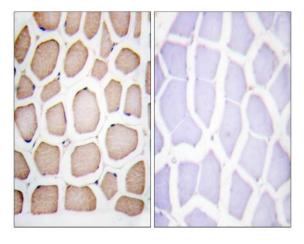
Host: Rabbit

Modifications: Unmodified

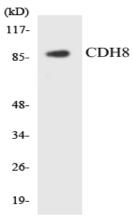
## **Products Images**



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



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



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