

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
Human Gene Id :	988
Human Swiss Prot No :	Q99459
Mouse Gene Id :	71702
Mouse Swiss Prot No :	Q6A068
Rat Gene Id :	85434
Rat Swiss Prot No :	O08837
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

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 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 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

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