

**CDC5 Antibody**  
Rabbit mAb  
Catalog # AP90936

## Specification

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### CDC5 Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	<a href="#">Q99459</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
CDC5; CEF1; PCDC5RP; CDC5-LIKE; dj319D22.1; CDC5L;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	92251 Da

### CDC5 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human CDC5
Description	The protein encoded by this gene shares a significant similarity with <i>Schizosaccharomyces pombe</i> 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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

### CDC5 Antibody - 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:<a href="http://www.uniprot.org/citations/11991638" target="\_blank">11991638</a>, PubMed:<a href="http://www.uniprot.org/citations/20176811" target="\_blank">20176811</a>, PubMed:<a href="http://www.uniprot.org/citations/28076346" target="\_blank">28076346</a>, PubMed:<a href="http://www.uniprot.org/citations/28502770" target="\_blank">28502770</a>, PubMed:<a href="http://www.uniprot.org/citations/29301961" target="\_blank">29301961</a>, PubMed:<a href="http://www.uniprot.org/citations/29360106" target="\_blank">29360106</a>, PubMed:<a href="http://www.uniprot.org/citations/29361316" target="\_blank">29361316</a>, PubMed:<a href="http://www.uniprot.org/citations/30705154" target="\_blank">30705154</a>, PubMed:<a href="http://www.uniprot.org/citations/30728453" target="\_blank">30728453</a>). 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:<a href="http://www.uniprot.org/citations/20176811" target="\_blank">20176811</a>). 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

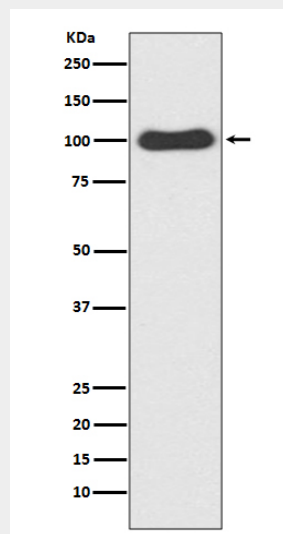
Ubiquitously expressed in both fetal and adult tissues.

### CDC5 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### CDC5 Antibody - Images



Western blot analysis of CDC5 expression in HeLa cell lysate.