

# CDC5 Antibody

Rabbit mAb

Catalog # AP90936

## Product Information

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

## Additional Information

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<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human CDC5
<b>Description</b>	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.
<b>Storage Condition and Buffer</b>	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.

## Protein Information

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<b>Name</b>	CDC5L
<b>Synonyms</b>	KIAA0432, PCDC5RP
<b>Function</b>	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="#">11991638</a> , PubMed: <a href="#">20176811</a> , PubMed: <a href="#">28076346</a> , PubMed: <a href="#">28502770</a> , PubMed: <a href="#">29301961</a> , PubMed: <a href="#">29360106</a> , PubMed: <a href="#">29361316</a> , PubMed: <a href="#">30705154</a> , PubMed: <a href="#">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="#">20176811</a> ). As a component of the minor spliceosome, involved in the splicing of U12- type introns in

pre-mRNAs (Probable).

**Cellular Location**

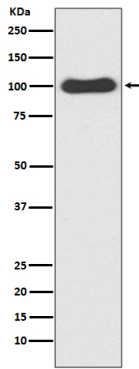
Nucleus. Nucleus speckle. Cytoplasm Note=May shuttle between cytoplasm and nucleus

**Tissue Location**

Ubiquitously expressed in both fetal and adult tissues.

**Images**

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Western blot analysis of CDC5 expression in HeLa cell lysate.

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