

## Anti-CDC5L Antibody (9X496)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	9X496
Purification:	Affinity-chromatography

### Applications

1. Western Blot
- Positive WB detected in: Hela whole cell lysate, MCF-7 whole cell lysate, HepG2 whole cell lysate, 293 whole cell lysate, K562 whole cell lysate, Jurkat whole cell lysate
  - All lanes: CDC5L antibody at 1.3 $\mu$ g/ml
  - Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution
  - Predicted band size: 93 KDa
  - Observed band size: 100 KDa
2. IHC image of TMAH-00242 diluted at 1:126.5 and staining in paraffin-embedded human appendix tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 $^{\circ}$ C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.
3. IHC image of TMAH-00242 diluted at 1:126.5 and staining in paraffin-embedded human pancreatic tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 $^{\circ}$ C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.
4. Immunofluorescence staining of A549 cells with TMAH-00242 at 1:42, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 $^{\circ}$ C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).
5. Immunoprecipitating CDC5L in Hela whole cell lysate
- Lane 1: Rabbit control IgG instead of TMAH-00242 in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)
  - Lane 2: TMAH-00242 (3 $\mu$ g) + Hela whole cell lysate (500 $\mu$ g)
  - Lane 3: Hela whole cell lysate (20 $\mu$ g)
- Verified Activity:

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Application: ELISA,IF,IHC,IP,WB

Recommended WB:1:500-1:5000; IHC:1:50-1:200; IF:1:20-1:200; IP:1:200-1:1000.

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### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: A synthetic peptide: Human CDC5L

Antigen Species: Human

Gene ID: 988

Uniprot ID: Q99459

Synonyms: KIAA0432;PCDC5RP;CEF1;Cdc5 related protein;CDC5;CDC5 cell division cycle 5-like (S. pombe); Cell division cycle 5 S. pombe homolog;Cell division cycle 5-like protein;Pombe Cdc5 related protein;CDC5-LIKE;dj319D22.1

Biology Area: Epigenetics and Nuclear Signaling

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### Research Background

DNA-binding protein involved in cell cycle control. May act as a transcription activator. Plays role in pre-mRNA splicing as core component of precatalytic, catalytic and postcatalytic spliceosomal complexes. 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).

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