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CCNY Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10135C

Specification

CCNY Antibody (Center) - Product Information

Application	**IHC-P, WB,E**
Primary Accession	Q8ND76
Other Accession	Q8BGU5, NP_659449.3, NP_859049.2
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**39337**
Antigen Region	**140-169**

CCNY Antibody (Center) - Additional Information

Gene ID 219771

Other Names
Cyclin-Y, Cyc-Y, Cyclin box protein 1, Cyclin fold protein 1, cyclin-X, CCNY, C10orf9, CBCP1, CFP1

Target/Specificity
This CCNY antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 140-169 amino acids from the Central region of human CCNY.

Dilution
IHC-P~~1:100
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CCNY Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CCNY Antibody (Center) - Protein Information

Name CCNY

Synonyms C10orf9, CBCP1, CFP1

Function Positive regulatory subunit of the cyclin-dependent kinases CDK14/PFTK1 and CDK16. Acts as a cell-cycle regulator of Wnt signaling pathway during G2/M phase by recruiting CDK14/PFTK1 to the plasma membrane and promoting phosphorylation of LRP6, leading to the activation of the Wnt signaling pathway. Recruits CDK16 to the plasma membrane. Isoform 3 might play a role in the activation of MYC-mediated transcription.

Cellular Location
Cell membrane; Lipid-anchor; Cytoplasmic side

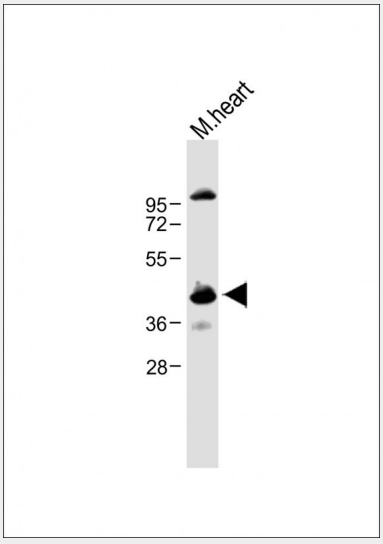
Tissue Location
Widely expressed..

CCNY Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CCNY Antibody (Center) - Images



Anti-CCNY Antibody (Center) at 1:1000 dilution + Mouse heart lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 39 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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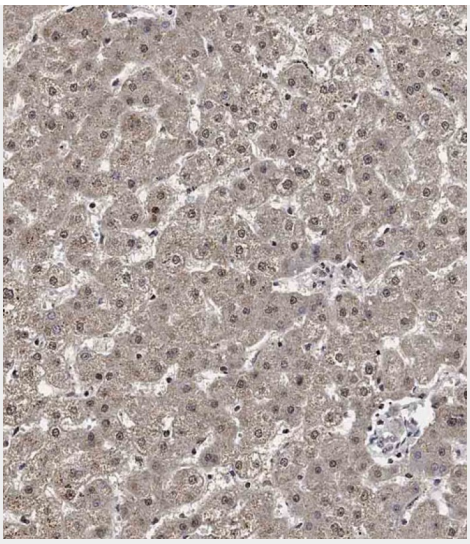
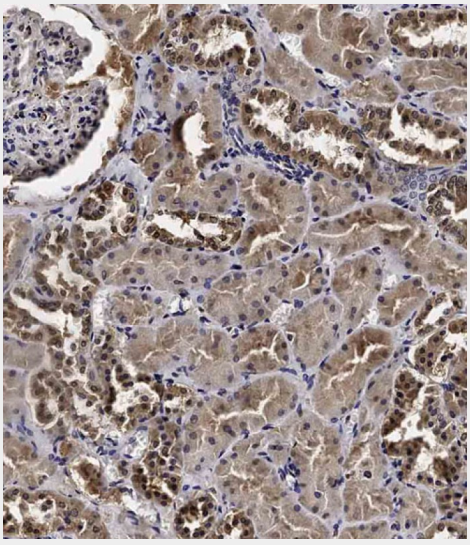


Immunohistochemical analysis of AP10135C on paraffin-embedded Human liver tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Immunohistochemical analysis of AP10135C on paraffin-embedded Human kidney tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

CCNY Antibody (Center) - Background

Cyclins, such as CCNY, control cell division cycles and regulate cyclin-dependent kinases (e.g., CDC2; MIM 116940) (Li et al., 2009 [PubMed 18060517]).

CCNY Antibody (Center) - References

Wang, K., et al. Hum. Mol. Genet. 19(10):2059-2067(2010)
Xu, Y., et al. Oncol. Res. 18(8):359-364(2010)

Chapuis, J., et al. Mol. Psychiatry 14(11):1004-1016(2009)
Henckaerts, L., et al. Clin. Gastroenterol. Hepatol. 7(9):972-980(2009)
Jiang, M., et al. FEBS Lett. 583(13):2171-2178(2009)