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CCNY Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10135C

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
Clone Names	RB21871
Calculated MW	39337
Antigen Region	140-169

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.

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..

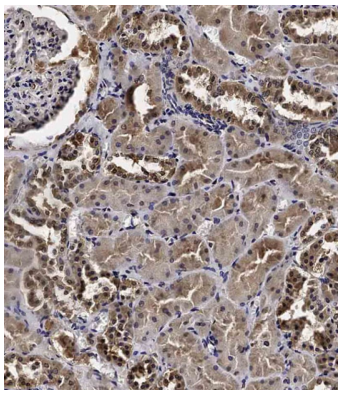
Background

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

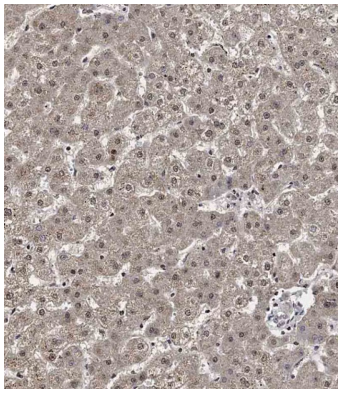
References

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)

Images

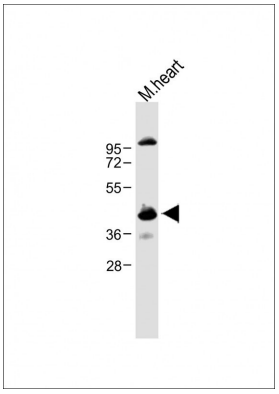


Immunohistochemical analysis of AP10135C on paraffin-embedded Human kidney tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted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



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.

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.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.