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CCNB1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11096c

Product Information

Application	WB, IHC-P, E
Primary Accession	P14635
Other Accession	P30277, P24860, Q08301, Q1LZG6, NP_114172.1
Reactivity	Human, Zebrafish, Mouse
Predicted	Mouse, Rat, Hamster, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14911
Calculated MW	48337
Antigen Region	241-268

Additional Information

Gene ID	891
Other Names	G2/mitotic-specific cyclin-B1, CCNB1, CCNB
Target/Specificity	This CCNB1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 241-268 amino acids from the Central region of human CCNB1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	CCNB1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CCNB1
Synonyms	CCNB
Function	Essential for the control of the cell cycle at the G2/M (mitosis) transition

(PubMed:27030811, PubMed:17495531, PubMed:17495533). Binds and activates cyclin-dependent protein kinase CDK1/CDC2 (PubMed:41100585).

Cellular Location Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

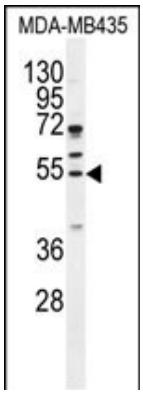
Background

The protein encoded by this gene is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during G2/M phase. The different transcripts result from the use of alternate transcription initiation sites. [provided by RefSeq].

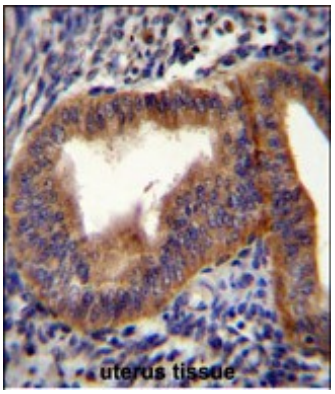
References

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van Zon, W., et al. J. Cell Biol. 190(4):587-602(2010)
Harley, M.E., et al. EMBO J. 29(14):2407-2420(2010)
Olson, J.E., et al. Breast Cancer Res. Treat. (2010) In press :
Nantajit, D., et al. PLoS ONE 5 (8), E12341 (2010) :

Images



CCNB1 Antibody (Center) (Cat. #AP11096c) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the CCNB1 antibody detected the CCNB1 protein (arrow).



CCNB1 Antibody (Center) (Cat. #AP11096c)immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CCNB1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- HNF4α is a therapeutic target that links AMPK to WNT signalling in early-stage gastric cancer.

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