

CCNB1IP1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9400b**Specification**

CCNB1IP1 Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q9NPC3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31544
Antigen Region	199-228

CCNB1IP1 Antibody (C-term) - Additional Information**Gene ID** 57820**Other Names**

E3 ubiquitin-protein ligase CCNB1IP1, 632-, Cyclin-B1-interacting protein 1, Human enhancer of invasion 10, CCNB1IP1, C14orf18, HEI10

Target/Specificity

This CCNB1IP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 199-228 amino acids from the C-terminal region of human CCNB1IP1.

Dilution

WB~~1:1000

IHC-P~~1:50~100

FC~~1:10~50

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

CCNB1IP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CCNB1IP1 Antibody (C-term) - Protein Information**Name** CCNB1IP1

Synonyms C14orf18, HEI10

Function Ubiquitin E3 ligase that acts as a limiting factor for crossing-over during meiosis: required during zygonema to limit the colocalization of RNF212 with MutS-gamma-associated recombination sites and thereby establish early differentiation of crossover and non- crossover sites. Later, it is directed by MutL-gamma to stably accumulate at designated crossover sites. Probably promotes the dissociation of RNF212 and MutS-gamma to allow the progression of recombination and the implementation of the final steps of crossing over (By similarity). Modulates cyclin-B levels and participates in the regulation of cell cycle progression through the G2 phase. Overexpression causes delayed entry into mitosis.

Cellular Location

Nucleus. Chromosome. Note=Associates to the synaptonemal complex

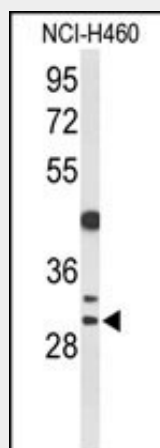
Tissue Location

Highly expressed in heart. Detected at intermediate levels in liver and kidney, and at low levels in placenta, brain and lung.

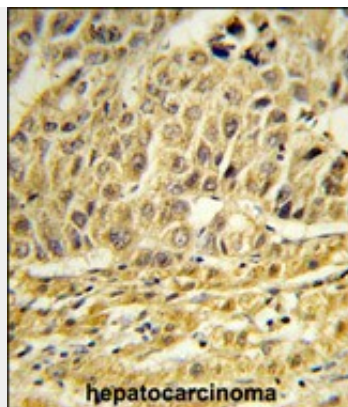
CCNB1IP1 Antibody (C-term) - Protocols

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

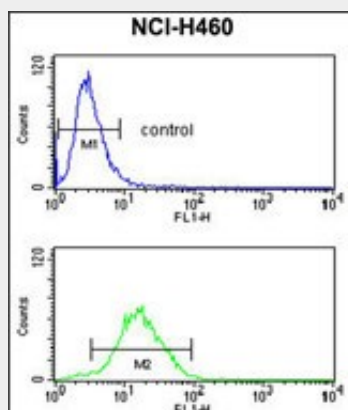
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CCNB1IP1 Antibody (C-term) - Images

Western blot analysis of CCNB1IP1 Antibody (C-term) (Cat. #AP9400b) in NCI-H460 cell line lysates (35ug/lane). CCNB1IP1 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with CCNB1IP1 Antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



CCNB1IP1 Antibody (C-term) (Cat. #AP9400b) flow cytometry analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CCNB1IP1 Antibody (C-term) - Background

HEI10 is a member of the E3 ubiquitin ligase family and functions in progression of the cell cycle through G(2)/M.

CCNB1IP1 Antibody (C-term) - References

Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Gronholm, M., et al. Oncogene 25(32):4389-4398(2006)
Toby, G.G., et al. Mol. Cell. Biol. 23(6):2109-2122(2003)