

[KD]Cyclin B1 Rabbit mAb

Catalog # AP74983

Product Information

Application	WB, IHC-P, FC, IP
Primary Accession	P14635
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	48337

Additional Information

Gene ID	891
Other Names	CCNB1
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:200-1:500 IP~~1:20
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

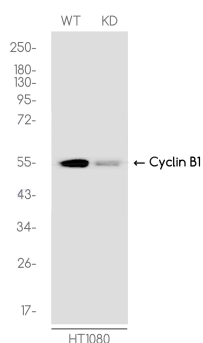
Name	CCNB1
Synonyms	CCNB
Function	Essential for the control of the cell cycle at the G2/M (mitosis) transition (PubMed: 27030811 , PubMed: 17495531 , PubMed: 17495533). Binds and activates cyclin-dependent protein kinase CDK1/CDC2 (PubMed: 41100585).
Cellular Location	Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

Background

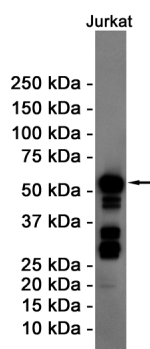
The protein encoded by this gene is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found,

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) It has higher expression in tumor tissues .

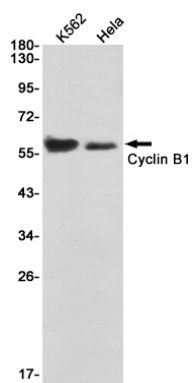
Images



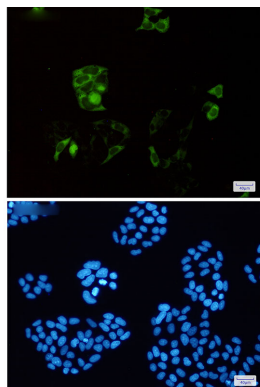
Western blot analysis of Cyclin B1 in HT1080(WT) and Cyclin B1-Knockdown HT1080(KD) using Cyclin B1 antibody.



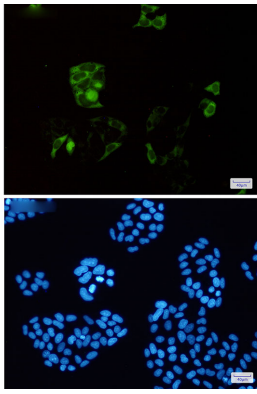
Western blot analysis of Cyclin B1 in Jurkat lysates using Cyclin B1 antibody.



Western blot analysis of Cyclin B1 in K562, Hela lysates using Cyclin B1 antibody.



Immunocytochemistry analysis of Cyclin B1(green) in Hela using Cyclin B1 antibody, and DAPI(blue)



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