

Rabbit anti-Human Cyclin B2 Monoclonal Antibody | anti-CCNB2 antibody

Cyclin B2 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283107	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

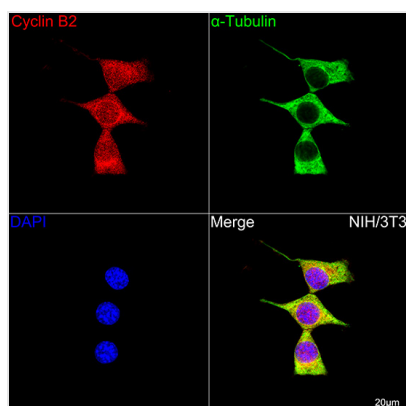
PRODUCT SYNONYMS

Cyclin B2; Monoclonal Antibody; Cyclin B2 Rabbit mAb; HsT17299; anti-CCNB2 antibody

PRODUCT SPECIFICATIONS

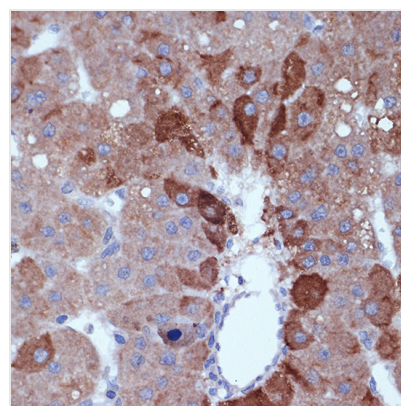
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MALLRRPTVS SDLENIDTGV NSKVKSHVTI RRTVLEEIGN RVTTRAAQVA KKAQNTKVPV QPTKTTNVNK QLKPTASVKP VQMEKLAPKG PSPTPEDVSM
Applicable Applications for anti-CCNB2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Cyclin B2 (O95067).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



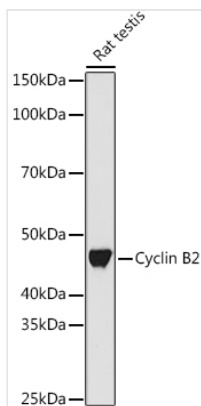
ICC (Immunocytochemistry)

Confocal imaging of NIH/3T3 cells using Cyclin B2 Rabbit mAb (AAA283107, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human liver cancer using Cyclin B2 Rabbit mAb (AAA283107) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from Rat testis , using Cyclin B2 Rabbit mAb (AAA283107) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-CCNB2 antibody	Cyclin B2 is a member of the cyclin family, specifically the B-type cyclins. The B-type cyclins, B1 and B2, associate with p34cdc2 and are essential components of the cell cycle regulatory machinery. B1 and B2 differ in their subcellular localization. Cyclin B1 co-localizes with microtubules, whereas cyclin B2 is primarily associated with the Golgi region. Cyclin B2 also binds to transforming growth factor beta RII and thus cyclin B2/cdc2 may play a key role in transforming growth factor beta-mediated cell cycle control.
Product Categories/Family for anti-CCNB2 antibody	Epigenetics Nuclear Signaling ; ATM Signaling Pathway ; Cell Biology Developmental Biology ; Cell Cycle ; Centrosome ; Cell Cycle Control-G2 M DNA Damage Checkpoint ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	5921731
NCBI GeneID	9133
UniProt Accession #	O95067 ; Q6FI99 ; B3KM93
Molecular Weight	Calculated MW: 45kDa Observed MW: 45kDa
UniProt Protein Name	G2/mitotic-specific cyclin-B2
UniProt Gene Name	CCNB2
UniProt Entry Name	CCNB2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cyclin-b2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283107>