

# Anti-Cyclin B2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

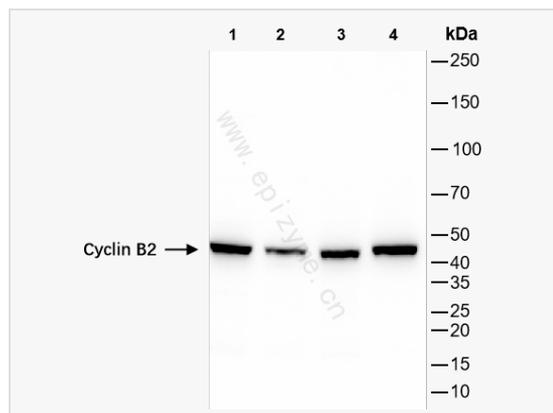
Catalog # R012344

## Product Information

Application	ELISA, WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC
Reactivity	Human, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	25K68M59
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Cyclin B2/CCNB2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Cyclin B2 Rabbit mAb [25K68M59] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	ccnb2, CCNB2_HUMAN, CycB2, Cyclin B2, G2 mitotic specific cyclin B2, G2/mitotic specific cyclin B2, G2/mitotic-specific cyclin-B2, HsT17299, MGC108931, MGC140694.
Calculated MW	Calculated MW: 45 kDa; Observed MW: 45 kDa
Uniprot ID	O95067
Gene ID	9133
Background	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. [provided by RefSeq, Jul 2008]



Western Blot - Anti-Cyclin B2 Rabbit mAb [25K68M59]

All lanes: R012344 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

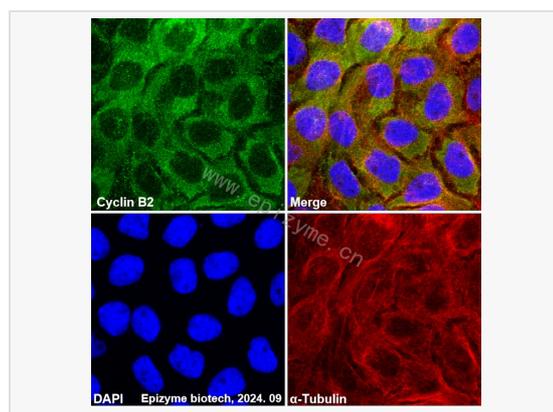
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 45 kDa

Observed band size: 45 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Cyclin B2 Rabbit mAb [25K68M59]

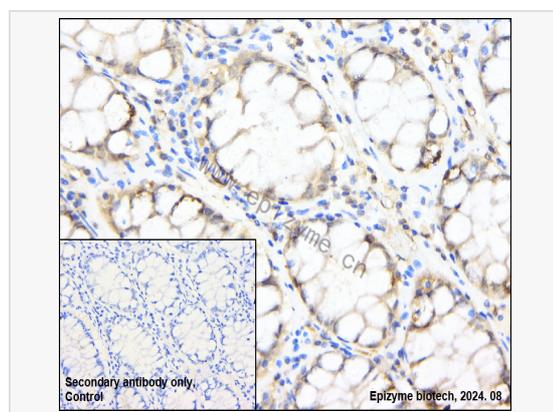
Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R012344 at 1:100 dilution and alpha-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-Cyclin B2 Rabbit mAb [25K68M59]

Sample: Paraformaldehyde-fixed, paraffin embedded human colorectal carcinoma tissue  
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

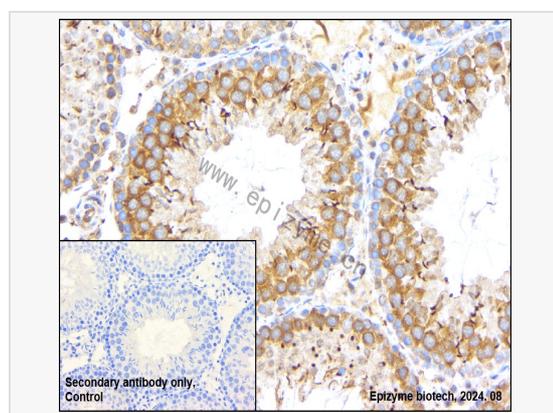
Primary antibody: R012344 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Cyclin B2 Rabbit mAb [25K68M59]

Sample: Paraformaldehyde-fixed, paraffin embedded rat testis tissue  
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R012344 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.