Product datasheet

Anti-Cyclin B1/CCNB1 Antibody

Catalog Number: *BA0766-2*

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Basic Information

Product Name	Anti-Cyclin B1/CCNB1 Antibody
Gene Name	CCNB1
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1 mg BSA and 50% glycerol.
Immunogen	E.coli-derived human Cyclin B1 recombinant protein (Position: M1-V433). Human Cyclin B1 shares 86% and 85% amino acid (aa) sequences identity with mouse and rat Cyclin B1, respectively.
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	55KD
Dilution Ratios	Western blot(WB):1:500-2000

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

CCNB also known as Cyclin B1, is a protein that in humans is encoded by the CCNB1 gene, and it is mapped to 5q13.2. 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. CCNB contributes to the switch-like all or none behavior of the cell in deciding to commit to mitosis. Its activation is well-regulated, and positive feedback loops ensure that once the cyclin B1-Cdk1 complex is activated, it is not deactivated.

Selected Validation Data

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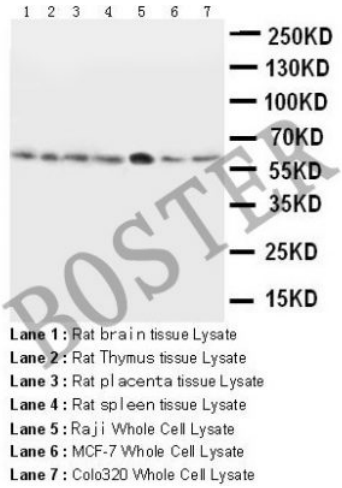

Lane 1 : Rat brain tissue Lysate
Lane 2 : Rat Thymus tissue Lysate
Lane 3 : Rat placenta tissue Lysate
Lane 4 : Rat spleen tissue Lysate
Lane 5 : Raji Whole Cell Lysate
Lane 6 : MCF-7 Whole Cell Lysate
Lane 7 : Colo320 Whole Cell Lysate

CCNB1(BA0766-2)(MW:48-65KD)大鼠脑, 胸腺, 胎盘, 脾, RAJI, MCF-7, COLO320细胞裂解, 免疫印迹分析.