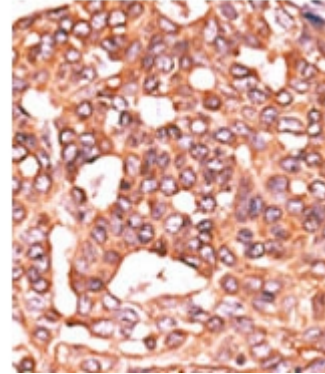


Polyclonal Antibody to Cyclin B1 pSer126 - Aff - Purified

Alternate names:	CCNB, CCNB1, Cyclin-B1, G2/mitotic-specific cyclin-B1
Catalog No.:	AP12597PU-N
Quantity:	0.4 ml
Concentration:	lot specific
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.
Uniprot ID:	P14635
NCBI:	9606
GeneID:	891
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S126 of human CCNB1.
Format:	State: Liquid purified Ig fraction. Purification: Protein G Affinity Chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS. Buffer System: PBS with 0.09% (W/V) Sodium Azide as preservative
Applications:	ELISA: 1/1,000. Western Blot: 1/100-1/500. Dot Blot: 1/500. Immunohistochemistry: 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects CCNB1 pSer126. Species: Human. Other species not tested.
Add. Information:	Molecular weight: 48337 Da
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

- General Readings:**
1. Yoshida, T., et al., *Ann. Oncol.* 15(2):252-256 (2004).
 2. Chang, D.C., et al., *J. Biol. Chem.* 278(39):37865-37873 (2003).
 3. Sanchez, V., et al., *J. Virol.* 77(24):13214-13224 (2003).
 4. Li, J.Q., et al., *Int. J. Oncol.* 22(5):1101-1110 (2003).
 5. Porter, L.A., et al., *Blood* 101(5):1928-1933 (2003).

Pictures: Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



(LEFT) The anti-CCNB1-S126 Pab (Cat.#AP12597PU-N) is used in Western blot for detection in Ramos tissue lysate. **(RIGHT)** Dot blot analysis of anti-CCNB1-S126 Phospho-specific Pab (Cat.#AP12597PU-N) on nitrocellulose membrane. 50ng of nonphospho-peptide or phospho-peptide were adsorbed on their respective dots. Antibody working concentration was 0.5ug per ml.

