

Monoclonal Antibody to Cyclin B1 - Purified

Alternate names:	CCNB, CCNB1, Cyclin-B1, G2/mitotic-specific cyclin-B1
Catalog No.:	AM00366PU-N
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Background:	In mammals, cyclin B associates with inactive p34cdc2. Cyclin B-p34cdc2 plays a critical role in G2 to M transition.
Uniprot ID:	P14635
NCBI:	NP_114172.1
GeneID:	891
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	GNS11
Immunogen:	Human cyclin B1 protein. AA Sequence: 1-306 Remarks: Mol. Wt. of Antigen: 62 kDa
Format:	State: Liquid ascites fluid Purification: Protein A chromatography Buffer System: 10 mM PBS, pH 7.4, with 0.2 % BSA and 0.09 % sodium azide.
Applications:	Immunofluorescence. Immunoprecipitation (Native and denatured): use Protein A; 2µg/mg protein lysate. Immunohistology (Formalin/paraffin): 2-4µ g/ml for 30 min at RT, [Staining of formalin-fixed tissues REQUIRES boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min.] Positive Control: LS174T cells. Tonsil or breast carcinoma. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Cyclin B1. Species: Mouse, rat, and hamster. Other species not tested.
Add. Information:	Cellular Localization: Cytoplasmic.
Storage:	Store the antibody at 2 - 8 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

- General Readings:**
1. Kung AL, et. al. J Biol Chem, 1993;268:1-9.
 2. Faha B, et. al. J Virology, 1993;67:2456-2465.
 3. Zhang H, et. al. Mol Biol Cell, 1993;4:897-906.
 4. Coleman TR, et. al. Cell, 1993;72:919-929.

Pictures: Formalin-fixed, paraffin-embedded human tonsil stained with AM00366PU-N using peroxidase-conjugate and AEC chromogen. Note cytoplasmic staining of lymphoid cells.

