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Cyclin B1 Antibody (S126)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7598b

Product Information

Application	WB, E
Primary Accession	P14635
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB07923
Calculated MW	48337
Antigen Region	104-133

Additional Information

Gene ID	891
Other Names	G2/mitotic-specific cyclin-B1, CCNB1, CCNB
Target/Specificity	This Cyclin B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-133 amino acids from human Cyclin B1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Cyclin B1 Antibody (S126) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CCNB1
Synonyms	CCNB
Function	Essential for the control of the cell cycle at the G2/M (mitosis) transition (PubMed:27030811, PubMed:17495531, PubMed:17495533). Binds and

activates cyclin-dependent protein kinase CDK1/CDC2 (PubMed:41100585).

Cellular Location Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

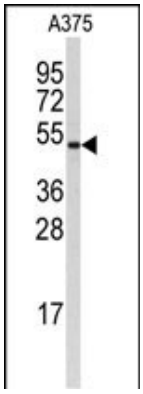
Background

Cyclin B1 is a regulatory protein involved in mitosis. It complexes with p34(cdc2) to form the maturation-promoting factor (MPF).

References

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

Images



Western blot analysis of anti-Cyclin B1 Antibody (S126) (Cat.#AP7598b) in A375 cell line lysates (35ug/lane). Cyclin B1(arrow) was detected using the purified Pab.

Citations

- Targeting the overexpressed CREB inhibits esophageal squamous cell carcinoma cell growth.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.