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36-3459: Anti-Cyclin B2 Monoclonal Antibody(Clone: X29.2)

Clonality :	Monoclonal
Clone Name :	X29.2
Application :	ELISA
Reactivity :	Mouse, Rat, Human
Gene :	CCNB2
Gene ID :	9133
Uniprot ID :	O95067
Alternative Name :	ccnb2; CycB2; Cyclin B2; G2 mitotic specific cyclin B2; HsT17299; MGC108931; MGC140694
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant full-length Xenopus laevis Cyclin B2 protein

Description

In eukaryotic cells, mitosis is initiated following the activation of a protein kinase known variously as maturation-promoting factor, M phase specific histone kinase or M-phase kinase. This protein kinase is composed of a catalytic subunit (Cdc2), a regulatory subunit (cyclin B) and a low molecular weight subunit (p13-Suc1). The Cdc/cyclin enzyme is subject to multiple levels of control, of which the regulation of the catalytic subunit by tyrosine phosphorylation is the best understood. Tyrosine phosphorylation inhibits the Cdc2/ cyclin B enzyme, and tyrosine dephosphorylation, occurring at the onset of mitosis, directly activates the pre-MPF complex. Evidence has established that B type cyclins not only act on M phase regulatory subunits of the Cdc2 protein kinase, but also activate the Cdc25A and Cdc25B endogenous tyrosine phosphatase, of which Cdc2 is the physiological substrate. The two B type cyclins, cyclin B1 and cyclin B2, have been shown to have distinct tissue distributions.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order antibody without BSA);

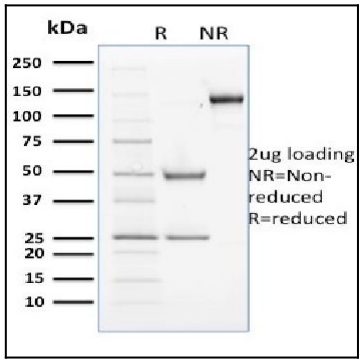

Fig. 1: SDS-PAGE Analysis Purified Cyclin B2 Mouse Monoclonal Antibody (X29.2). Confirmation of Purity and Integrity of Antibody.

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