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36-3447: Anti-Cyclin D2 Monoclonal Antibody(Clone: CCND2/2620)

Clonality :	Monoclonal
Clone Name :	CCND2/2620
Application :	ELISA
Reactivity :	Human
Gene :	CCND2
Gene ID :	894
Uniprot ID :	P30279
Alternative Name :	CCND 2; ccnd2; CCND2_HUMAN; CyclinD2; G1/S specific cyclin D2; G1/S-specific cyclin-D2; KIAK0002; MGC102758; MPPH3
Isotype :	Mouse IgG, kappa
Immunogen Information :	Recombinant full-length human Cyclin D2 (CCND2) protein

Description

Cyclins are a family of proteins that control how cells proceed throμgh the multi-step cycle of cell division. Cyclin D2 helps to regulate a step in the cycle called the G1-S transition, in which the cell moves from the G1 phase, when cell growth occurs, to the S phase, when the cell's DNA is copied (replicated) in preparation for cell division. Cyclin D2's role in the cell division cycle makes it a key controller of the rate of cell growth and division (proliferation) in the body.

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 Ab without BSA);

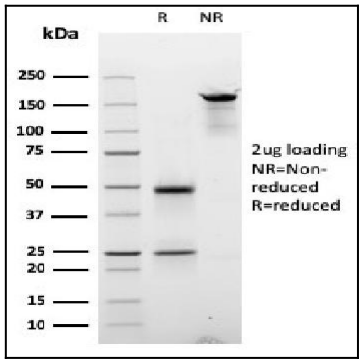

Fig. 1: SDS-PAGE Analysis Purified Cyclin D2 Mouse Monoclonal Antibody (CCND2/2620). Confirmation of Purity and Integrity of Antibody.

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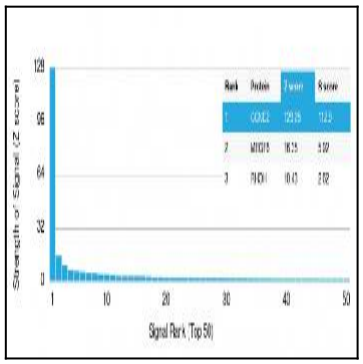

Fig. 2: Analysis of Protein Array containing more than 19,000 full-length human proteins using Cyclin D2 Mouse Recombinant Monoclonal Antibody (CCND2/2620). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.