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36-3448: Anti-Cyclin E (G1/S-Phase Cyclin) Monoclonal Antibody(Clone: CCNE1/2460)

Clonality :	Monoclonal
Clone Name :	CCNE1/2460
Application :	FACS,IF,WB,IHC
Reactivity :	Human
Gene :	CCNE1
Gene ID :	898
Uniprot ID :	P24864
Alternative Name :	CCNE1; Cyclin E1; G1/S-specific cyclin-E1
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant human Cyclin E (CCNE1) protein fragment (around aa 10-176) (exact sequence is proprietary)

Description

Cyclin E belongs to the highly conserved cyclin family, whose members exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. Cyclins function as regulators of CDK kinases. Cyclin E forms a complex with and functions as a regulatory subunit of CDK2, whose activity is required for cell cycle G1/S transition. Cyclin E accumulates at the G1-S phase boundary and is degraded as cells progress throÂµgh S phase. Cyclin E overexpression has been observed in many tumors, which results in chromosome instability, and thus may contribute to tumorigenesis.

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

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),

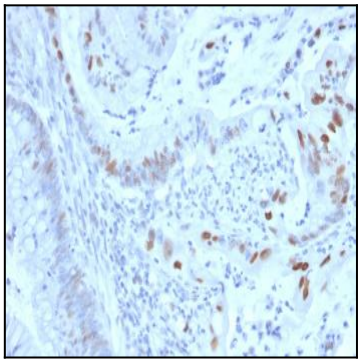


Fig. 1: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cyclin E Mouse Monoclonal Antibody (CCNE1/2460).

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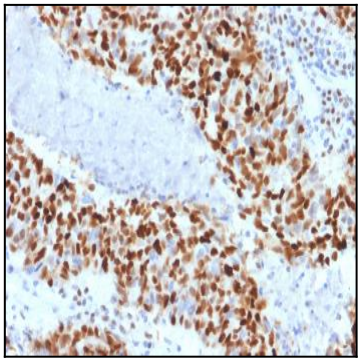


Fig. 2: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Cyclin E Mouse Monoclonal Antibody (CCNE1/2460).

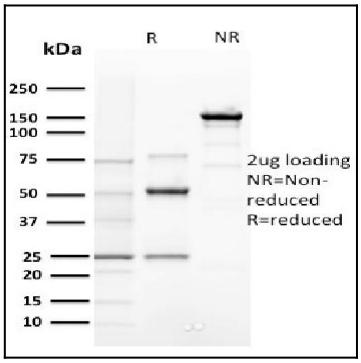


Fig. 3: SDS-PAGE Analysis Purified Cyclin E Mouse Monoclonal Antibody (CCNE1/2460). Confirmation of Purity and Integrity of Antibody.

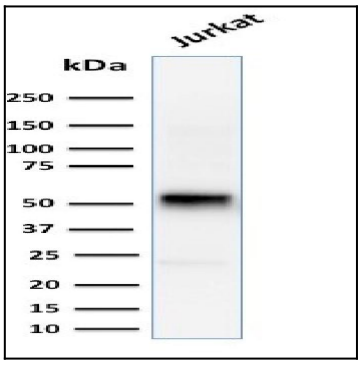


Fig. 4: Western Blot Analysis of human Jurkat cell lysate using Cyclin E Mouse Monoclonal Antibody (CCNE1/2460).

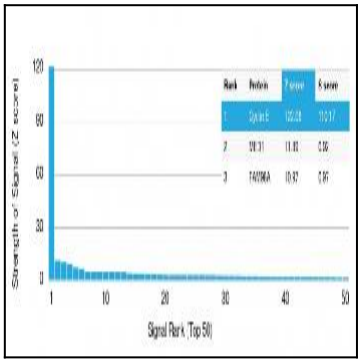


Fig. 5: Analysis of Protein Array containing more than 19,000 full-length human proteins using Cyclin E Mouse Monoclonal Antibody (CCNE1/2460). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary 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.

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