

Mouse Cyclin E Monoclonal Antibody | anti-CCNE1 antibody

Cyclin E (G1/S-Phase Cyclin)

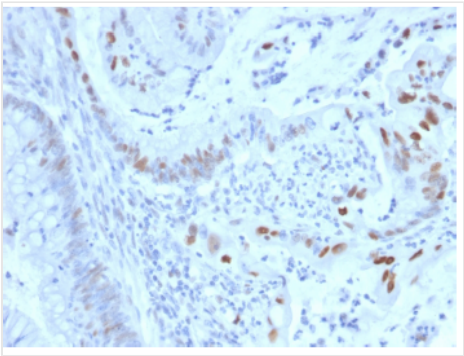
CATALOG # AAA214568	HOST Mouse	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

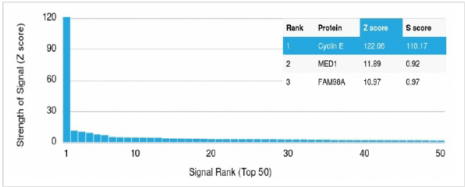
Cyclin E; Monoclonal Antibody; Cyclin E (G1/S-Phase Cyclin); CCNE1; Cyclin E1; G1/S-specific cyclin-E1; anti-CCNE1 antibody

PRODUCT SPECIFICATIONS

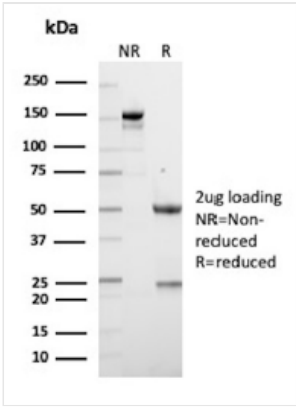
Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	CCNE1/2460
Specificity	Cyclin E belongs to the highly conserved cyclin family, whose members exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each 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 through S phase. Cyclin E overexpression has been observed in many tumors, which results in chromosome instability, and thus may contribute to tumorigenesis.
Form/Format	200ug/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.
Sequence Length	438
Applicable Applications for anti-CCNE1 antibody	IHC (Immunohistochemistry)
Application Notes	Immunohistochemistry (IHC): 1-2ug/ml 30 min 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°C followed by cooling at RT for 20 minutes. Western Blot (WB) 2-4ug/ml
Immunogen	Recombinant fragment of human Cyclin E (CCNE1) protein (around aa 10-176)
Cellular Localization	Nuclear
Hu-chromosome Location	19q12
Positive Control	HeLa Cells. Breast or Colon Carcinoma
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



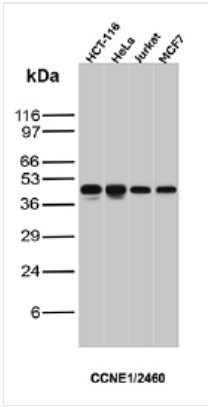
IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human colon carcinoma stained with Cyclin E Mouse Monoclonal Antibody (CCNE1/2460).



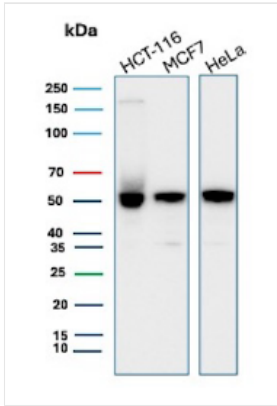
Application Data
Analysis of Protein Array containing more than 19,000 full-length human proteins using Cyclin E Mouse Monoclonal Antibody (CCNE1/2460). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG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



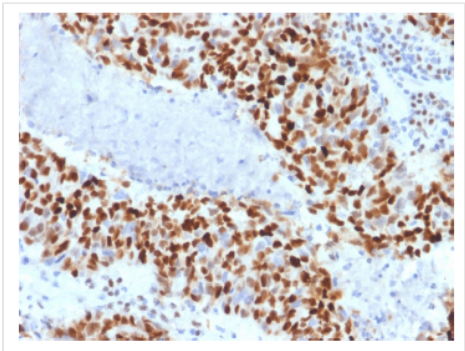
SDS-PAGE
SDS-PAGE Analysis of Purified Cyclin E Mouse Monoclonal Antibody (CCNE1/2460). Confirmation of Purity and Integrity of Antibody.



WB (Western Blot)
Western Blot Analysis of HCT-116, HeLa, Jurkat and MCF7 cell lysates using Cyclin E (LOT B) Mouse Monoclonal Antibody (CCNE1/2460).



WB (Western Blot)
Western Blot Analysis of HCT-116, MCF7 and HeLa cell lysates using Cyclin E Mouse Monoclonal Antibody (CCNE1/2460).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human colon carcinoma stained with Cyclin E Mouse Monoclonal Antibody (CCNE1/2460).

ADDITIONAL INFORMATION

References	Camacho F I, Garcia J F, Sanchez-Verde L, et al.. American Journal of Pathology. 158 (4): 1363-1369 (2001).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1080078688
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NCBI GeneID	921
NCBI Accession #	NP_001333385.1
NCBI GenBank Nucleotide #	NM_001346456.1
UniProt Accession #	P06127; A0N0P4; A8K9I3
Molecular Weight	53kDa
NCBI Official Full Name	T-cell surface glycoprotein CD5 isoform 2
NCBI Official Synonym Full Names	CD5 molecule
NCBI Official Symbol	CD5
NCBI Official Synonym Symbols	T1; LEU1
NCBI Protein Information	T-cell surface glycoprotein CD5
UniProt Protein Name	T-cell surface glycoprotein CD5
UniProt Gene Name	CD5
UniProt Synonym Gene Names	LEU1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cyclin-e-antibody-clone-ccne1-2460-immunohistochemistry-elisa/214568>