

Anti-Cyclin E1 Antibody [rCCNE1/4936] (A277931)

Specifications:

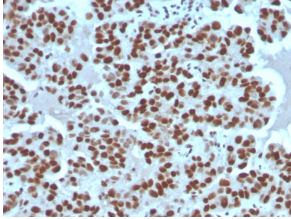
Name:	Anti-Cyclin E1 Antibody [rCCNE1/4936]
Description:	Recombinant mouse monoclonal [rCCNE1/4936] antibody to Cyclin E1.
Specificity:	Cyclin E belongs to the highly conserved cyclin family, whose members exhibit distinct expression and degradation patterns which contribute to the temporal coordination 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.
Applications:	WB, IHC-P
Recommended Dilutions:	WB: 1-2 µg/ml, IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant fragment, around amino acids 10-176, of human Cyclin E1. The exact sequence is proprietary.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	rCCNE1/4936
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Cyclin E1 Antibody [rCCNE1/4936] - BSA and Azide free (A278519).

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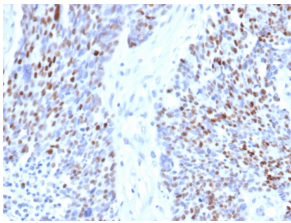
Specifications continued:

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

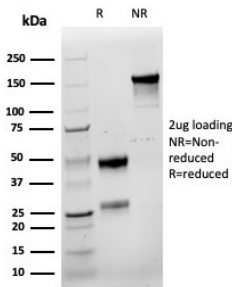
Images:



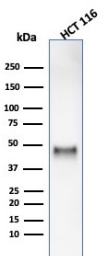
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human breast carcinoma tissue using Anti-Cyclin E1 Antibody [rCCNE1/4936].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human ovarian carcinoma tissue using Anti-Cyclin E1 Antibody [rCCNE1/4936].



SDS-PAGE analysis of Anti-Cyclin E1 Antibody [rCCNE1/4936] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Western blot analysis of HCT116 cell line lysate using Anti-Cyclin E1 Antibody [rCCNE1/4936].