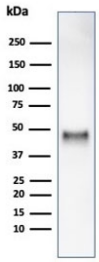
Recombinant Cyclin E1 Antibody / CCNE1 [clone rCCNE1/4936] (V9151)

Catalog No.	Formulation	Size
V9151-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9151-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9151SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

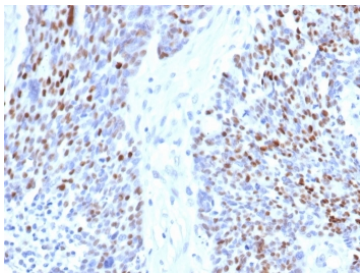
Recombinant MOUSE MONOCLONAL

Bulk quote request

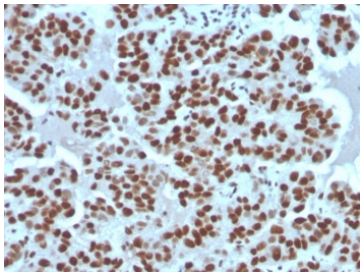
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rCCNE1/4936
Purity	Protein A/G affinity
UniProt	IDP24864
Localization	Nuclear
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant Cyclin E1 antibody is available for research use only.



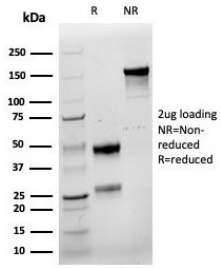
Western blot testing of human HCT116 cell lysate using recombinant Cyclin E1 antibody (clone rCCNE1/4936). Predicted molecular weight ~47 kDa.



IHC staining of FFPE human ovarian carcinoma tissue with recombinant Cyclin E antibody (clone rCCNE1/4936). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human breast carcinoma tissue with recombinant Cyclin E1 antibody (clone rCCNE1/4936). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Cyclin E1 antibody (clone rCCNE1/4936) as confirmation of integrity and purity.

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 through S phase. Cyclin E overexpression has been observed in many tumors, which results in chromosome instability, and thus may contribute to tumorigenesis.

Application Notes

Optimal dilution of the recombinant Cyclin E1 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 10-176 was used as the immunogen for the Cyclin E1 antibody.

Storage

Aliquot the recombinant Cyclin E1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.