

Recombinant Cyclin E (G1/S-Phase Cyclin) Antibody

Rabbit Monoclonal Antibody [Clone CCNE1/4935R]

| Catalog No | Format | Size |
|----------------|---|--------|
| 898-RBM5-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 898-RBM5-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 898-RBM5-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

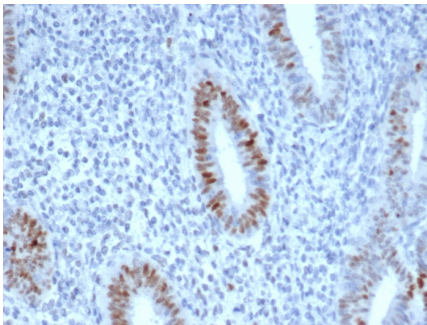
| Applications | Tested Dillution | Note |
|----------------------------|------------------|---|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

Product Details

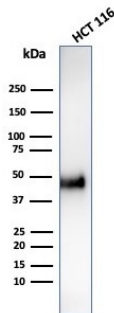
| | |
|-------------------------------|--|
| Clone | CCNE1/4935R |
| Gene Name | CCNE1 |
| Immunogen | Recombinant human Cyclin E (CCNE1) protein fragment (around aa 10-176) (exact sequence is proprietary) |
| Host | Rabbit |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG / Kappa |
| Mol. Weight of Antigen | 53kDa |
| Cellular Localization | Nucleus |
| Species Reactivity | Human |
| Positive Control | HCT116 or HeLa cells. Human breast or colon carcinoma., Jurkat |

**Optimal dilution for a specific application should be determined.*

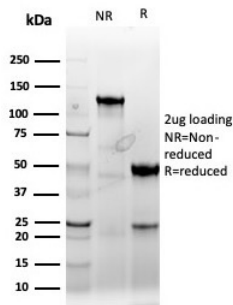
Product Images for Recombinant Cyclin E (G1/S-Phase Cyclin) Antibody



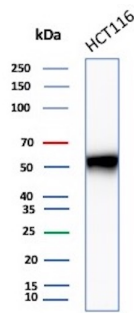
Formalin-fixed, paraffin-embedded human endometrium stained with Cyclin E Recombinant Rabbit Monoclonal Antibody (CCNE1/4935R).



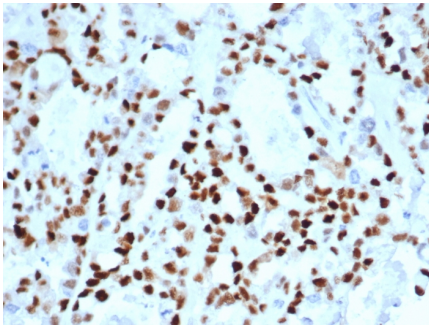
Western Blot Analysis of HCT-116 cell lysate using Cyclin E Recombinant Rabbit Monoclonal Antibody (CCNE1/4935R).



SDS-PAGE Analysis of Purified Cyclin E Recombinant Rabbit Monoclonal Antibody (CCNE1/4935R). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of HCT-116 cell lysate using Cyclin E Recombinant Rabbit Monoclonal Antibody (CCNE1/4935R).



Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with Cyclin E Recombinant Rabbit Monoclonal Antibody (CCNE1/4935R).

Specificity & Comments

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

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.

Storage and Stability

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. No MSDS required.

Research Areas

Cardiovascular, Infectious Disease, Lung Cancer, Nuclear Marker, Signal Transduction, Transcription Factors