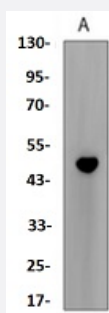


RecomAb™

CCNE2 recombinant monoclonal antibody

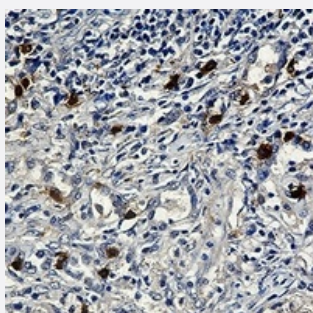
Catalog # RAB02487 Size 100 uL

Applications



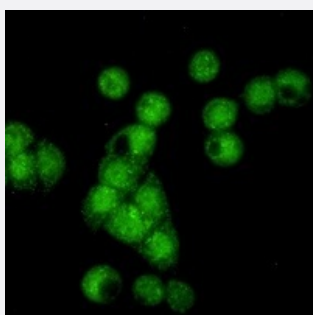
Western Blot (Cell lysate)

Western blot analysis of Jurkat (A) whole cell lysates with Cyclin E2 recombinant monoclonal antibody (Cat # RAB02487).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of human lung cancer formalin fixed paraffin embedded tissue section using Cyclin E2 recombinant monoclonal antibody (Cat # RAB02487). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.80). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescence

Immunofluorescent analysis of MCF7 cells with Cyclin E2 recombinant monoclonal antibody (Cat # RAB02487). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CCNE2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human Cyclin E2.
Theoretical MW (kDa)	48
Reactivity	Human
Specificity	Recognizes endogenous levels of Cyclin E2 protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:100) Immunofluorescence (1:50-1:100) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Immunocytochemistry
- Immunofluorescence

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Gene Info — CCNE2

Entrez GeneID [9134](#)

Protein Accession# [O96020](#)

Gene Name CCNE2

Gene Alias CYCE2

Gene Description cyclin E2

Omim ID [603775](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK2. This cyclin has been shown to specifically interact with CIP/KIP family of CDK inhibitors, and plays a role in cell cycle G1/S transition. The expression of this gene peaks at the G1-S phase and exhibits a pattern of tissue specificity distinct from that of cyclin E1. A significantly increased expression level of this gene was observed in tumor-derived cells. [provided by RefSeq]

Other Designations G1/S-specific cyclin E2

Pathway

- [Cell cycle](#)
- [p53 signaling pathway](#)
- [Pathways in cancer](#)

- [Prostate cancer](#)
- [Small cell lung cancer](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)