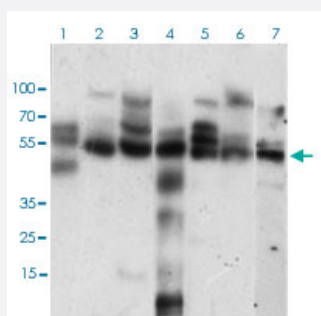


CCNE1 monoclonal antibody, clone 5F8C5

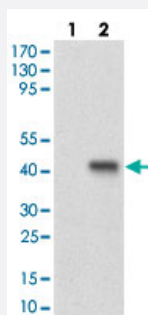
Catalog # MAB12242 Size 100 ug

Applications



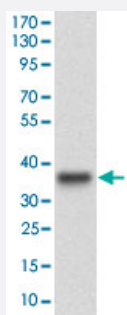
Western Blot (Cell lysate)

Western blot analysis of Lane 1: Hela cell lysate; Lane 2: K562 cell lysate; Lane 3: NIH/3T3 cell lysate; Lane 4: C6 cell lysate; Lane 5: MCF-7 cell lysate; Lane 6: Jurkat cell lysate; Lane 7: A431 cell lysate with CCNE1 monoclonal antibody, clone 5F8C5 (Cat# MAB12242) at 1:500-1:2000 dilution.



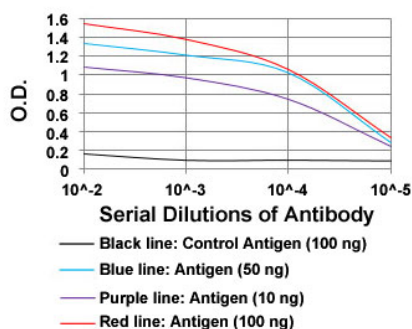
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control [HEK293 cell lysate]; Lane 2: Over-expression lysate [CCNE1 (AA: 307-410)-hlgGfC transfected HEK293 cells] with CCNE1 monoclonal antibody, clone 5F8C5 (Cat# MAB12242) at 1:500-1:2000 dilution.



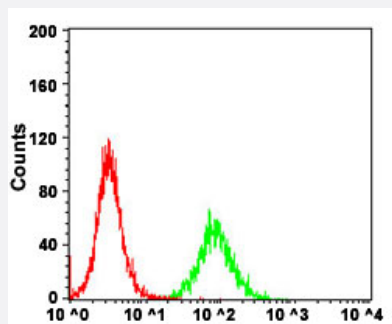
Western Blot (Recombinant protein)

Western blot analysis of human CCNE1 (AA:307-410) recombinant protein (Expected MW is 37.5 kDa) with CCNE1 monoclonal antibody, clone 5F8C5 (Cat# MAB12242) at 1:500-1:2000 dilution.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of CCNE1 monoclonal antibody, clone 5F8C5 (Cat# MAB12242) at 1:10000 dilution.



Flow Cytometry

Flow cytometric analysis of K562 cells with CCNE1 monoclonal antibody, clone 5F8C5 (Cat# MAB12242) at 1:200-1:400 dilution (Green) and negative control (Red).

Specification

Product Description Mouse monoclonal antibody raised against partial recombinant human CCNE1.

Immunogen Recombinant protein corresponding to amino acids 307-410 of human CCNE1.

Host Mouse

Theoretical MW (kDa) 47

Reactivity Human, Mouse

Form Liquid

Isotype IgG1

Recommend Usage
ELISA (1:10000)
Flow Cytometry (1:200-1:400)
Western Blot (1:500-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.05% sodium azide)

Storage Instruction
Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: Hela cell lysate; Lane 2: K562 cell lysate; Lane 3: NIH/3T3 cell lysate; Lane 4: C6 cell lysate; Lane 5: MCF-7 cell lysate; Lane 6: Jurkat cell lysate; Lane 7: A431 cell lysate with CCNE1 monoclonal antibody, clone 5F8C5 (Cat# MAB12242) at 1:500-1:2000 dilution.

- Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control [HEK293 cell lysate]; Lane 2: Over-expression lysate [CCNE1 (AA: 307-410)-hlgGfc transfected HEK293 cells] with CCNE1 monoclonal antibody, clone 5F8C5 (Cat# MAB12242) at 1:500-1:2000 dilution.

- Western Blot (Recombinant protein)

Western blot analysis of human CCNE1 (AA:307-410) recombinant protein (Expected MW is 37.5 kDa) with CCNE1 monoclonal antibody, clone 5F8C5 (Cat# MAB12242) at 1:500-1:2000 dilution.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of CCNE1 monoclonal antibody, clone 5F8C5 (Cat# MAB12242) at 1:10000 dilution.

- Flow Cytometry

Flow cytometric analysis of K562 cells with CCNE1 monoclonal antibody, clone 5F8C5 (Cat# MAB12242) at 1:200-1:400 dilution (Green) and negative control (Red).

Gene Info — CCNE1

Entrez GeneID	898
Gene Name	CCNE1
Gene Alias	CCNE
Gene Description	cyclin E 1
Omim ID	123837
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, whose activity is required for cell cycle G1/S transition. This protein accumulates at the G1-S phase boundary and is degraded as cells progress through S phase. Overexpression of this gene has been observed in many tumors, which results in chromosome instability, and thus may contribute to tumorigenesis. This protein was found to associate with, and be involved in, the phosphorylation of NPAT protein (nuclear protein mapped to the ATM locus), which participates in cell-cycle regulated histone gene expression and plays a critical role in promoting cell-cycle progression in the absence of pRB. Two alternatively spliced transcript variants of this gene, which encode distinct isoforms, have been described. Two additional splice variants were reported but detailed nucleotide sequence information is not yet available. [provided by RefSeq]

Other Designations

cyclin Es|cyclin Et

Pathway

- [Cell cycle](#)
- [p53 signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Small cell lung cancer](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Neoplasm Invasiveness](#)
- [Neoplasms](#)

- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Urinary Bladder Neoplasms](#)