Datasheet for ABIN2682980

anti-Cyclin E1 antibody (AA 307-410)

5 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	Cyclin E1 (CCNE1)
Binding Specificity:	AA 307-410
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cyclin E1 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	CCNE1 Antibody
Immunogen:	Purified recombinant fragment of human CCNE1 (AA: 307-410) expressed in E. Coli.
Clone:	5F8C5
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	Cyclin E1 (CCNE1)
Alternative Name:	CCNE1 (CCNE1 Products)
Background:	Description: The protein encoded by this gene belongs to the highly conserved cyclin family,

Target Details

	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. Aliases: CCNE
Molecular Weight:	47kDa
Gene ID:	898
HGNC:	898
UniProt:	P24864
Pathways:	Cell Division Cycle, Intracellular Steroid Hormone Receptor Signaling Pathway, Nuclear Hormone Receptor Binding, Mitotic G1-G1/S Phases

Application Details

Application Notes:	ELISA: 1/10000 FCM: 1/200 - 1/400
Restrictions:	For Research Use only

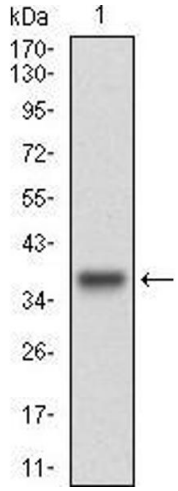
Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

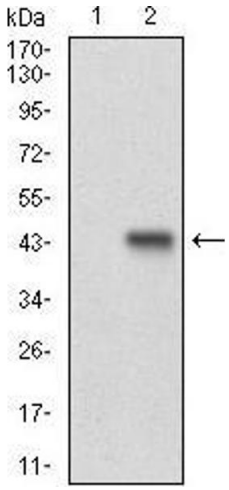
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Images



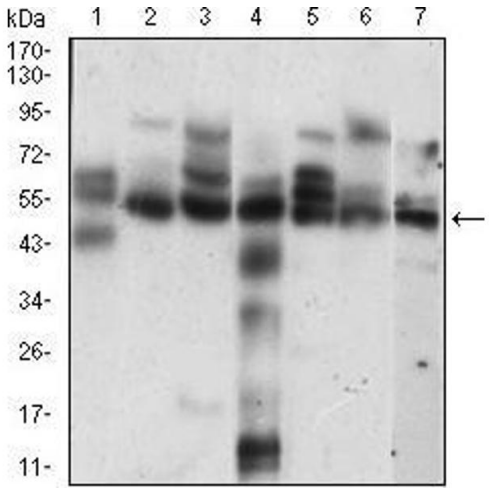
Western Blotting

Image 1. Western blot analysis using CCNE1 mAb against human CCNE1 (AA: 307-410) recombinant protein. (Expected MW is 37.5 kDa)



Western Blotting

Image 2. Western blot analysis using CCNE1 mAb against HEK293 (1) and CCNE1 (AA: 307-410)-hIgGFc transfected HEK293 (2) cell lysate.



Western Blotting

Image 3. Western blot analysis using CCNE1 mouse mAb against Hela (1), K562 (2), NIH/3T3 (3), C6 (4), MCF-7 (5), Jurkat (6), A431 (7) cell lysate.

Please check the product details page for more images. Overall 5 images are available for ABIN2682980.