Datasheet for ABIN7299140

anti-Cyclin E1 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	Cyclin E1 (CCNE1)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cyclin E1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Cyclin E1.
Specificity:	Recognizes endogenous levels of Cyclin E1 protein.
Characteristics:	Rabbit polyclonal antibody to Cyclin E1
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	Cyclin E1 (CCNE1)
Alternative Name:	Cyclin E1 (CCNE1 Products)

Target Details

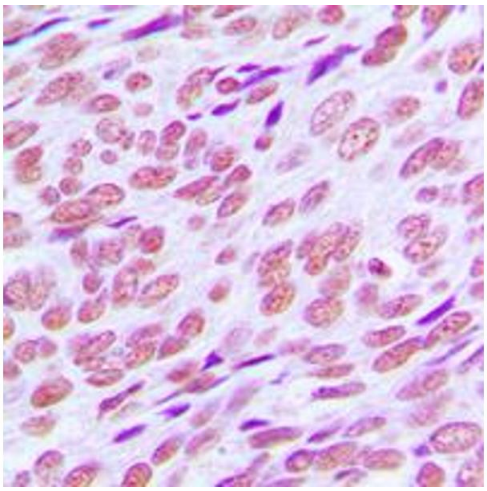
Background:	CCNE, G1/S-specific cyclin-E1
Gene ID:	898, 12447
UniProt:	P24864, Q61457, P39949
Pathways:	Cell Division Cycle, Intracellular Steroid Hormone Receptor Signaling Pathway, Nuclear Hormone Receptor Binding, Mitotic G1-G1/S Phases

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

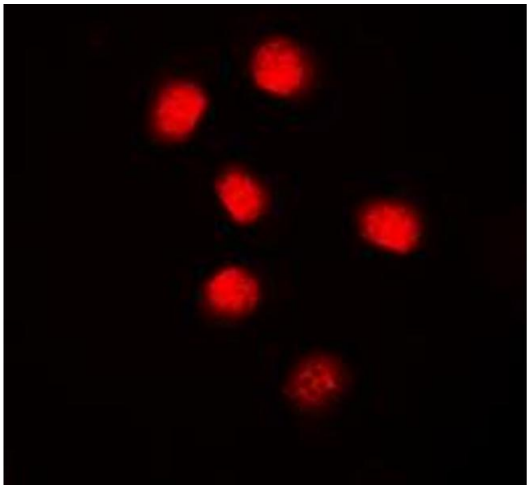
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % 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.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



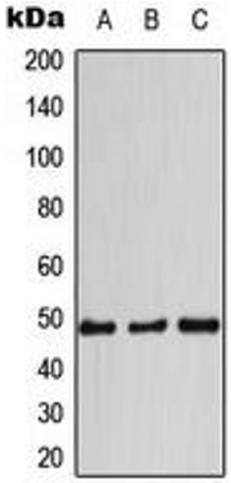
Immunohistochemistry

Image 1. Immunohistochemical analysis of Cyclin E1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). 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

Image 2. Immunofluorescent analysis of Cyclin E1 staining in MCF7 cells. 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 DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Western Blotting

Image 3. Western blot analysis of Cyclin E1 expression in MCF7 (A), mouse liver (B), rat kidney (C) whole cell lysates.