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**Product Name: Cyclin E2 Rabbit Monoclonal antibody****Catalog #: AMRe04069**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,IP
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Concentration</b>	0.43mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purified

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC/IF 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 47 kDa; Observed MW: 47 kDa

**Antigen Information**

<b>Gene Name</b>	CCNE2
<b>Alternative Names</b>	CCNE2; G1/S-specific cyclin-E2
<b>Gene ID</b>	9134
<b>SwissProt ID</b>	O96020
<b>Immunogen</b>	A synthetic peptide of human Cyclin E2

**Background**

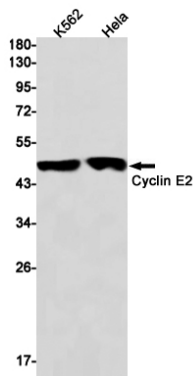
The human Cyclin E2 gene encodes a 404 amino acid protein that is most closely related to Cyclin E. Cyclin E2 mRNA levels peaks at the G1 / S transition. Cyclin E2 associates with Cdk2 in a functional kinase complex that is inhibited by both p27 (Kip1)

and p21 (Cip1). Cyclin E2 / Cdk2 phosphorylates histone H1 in vitro. G1 cyclin E controls the initiation of DNA synthesis by activating CDK2. Abnormally high levels of cyclin E expression have frequently been observed in human cancers.

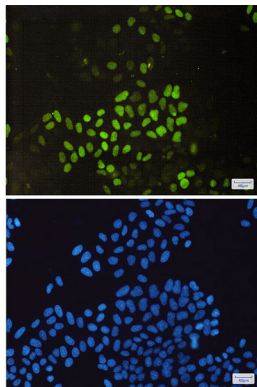
## Research Area

Cell Biology

## Image Data



Western blot analysis of Cyclin E2 in K562, HeLa lysates using Cyclin E2 antibody.



Immunocytochemistry analysis of Cyclin E2(green) in HeLa using Cyclin E2 antibody, and DAPI(blue)