

For Research Use Only

# Cardinal Red™-conjugated Cyclin E2 Polyclonal antibody



Catalog Number: CR-11935

## Basic Information

<b>Catalog Number:</b> CR-11935	<b>GenBank Accession Number:</b> BC020729	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9134	<b>Excitation/Emission maxima wavelengths:</b> 592 nm / 611 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> cyclin E2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 374 aa, 44 kDa	
<b>Immunogen Catalog Number:</b> AG2532	<b>Observed MW:</b> 44 kDa	

## Applications

**Tested Applications:**  
FC (Intra)

**Species Specificity:**  
human

## Background Information

Cyclin E2 (CCNE2) belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance throughout the cell cycle. Cyclins function as regulators of cyclin-dependent kinases (CDKs). Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of cell cycle events. CCNE2 forms a complex with and functions as a regulatory subunit of CDK2 and has been shown to specifically interact with CIP/KIP family of CDK inhibitors. CCNE2 plays a role in cell cycle G1/S transition and its expression peaks at the G1-S phase. Whereas cyclin E1 is expressed in most proliferating normal and tumor cells, cyclin E2 levels are low or undetectable in nontransformed cells, and are elevated in tumor-derived cells.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

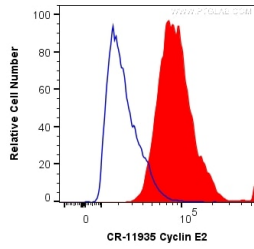
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug Cardinal Red™ Anti-Human Cyclin E2 (CR-11935) (red), or 0.2 ug isotype control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).