

For Research Use Only

# Cardinal Red™-conjugated Cyclin E2 Polyclonal antibody



Catalog Number: **CR-11935**

## Basic Information

Catalog Number:

CR-11935

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2532

GenBank Accession Number:

BC020729

GeneID (NCBI):

9134

UNIPROT ID:

O96020

Full Name:

cyclin E2

Calculated MW:

374 aa, 44 kDa

Observed MW:

44 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima wavelengths:

592 nm / 611 nm

## 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

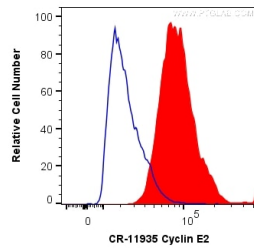
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## Selected Validation Data



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).