

For Research Use Only

# Cyclin E2 Recombinant antibody, PBS Only

Catalog Number:85803-3-PBS



## Basic Information

<b>Catalog Number:</b> 85803-3-PBS	<b>GenBank Accession Number:</b> BC020729	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9134	<b>CloneNo.:</b> 243114A3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O96020	
<b>Isotype:</b> IgG	<b>Full Name:</b> cyclin E2	
<b>Immunogen Catalog Number:</b> AG2532	<b>Calculated MW:</b> 374 aa, 44 kDa	
	<b>Observed MW:</b> 44 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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

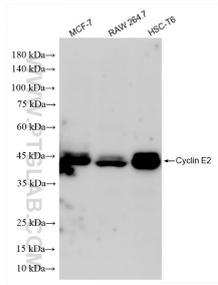
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

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

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85803-3-RR (Cyclin E2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85803-3-PBS in a different storage buffer formulation.