

For Research Use Only

# Cyclin T2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86859-3-PBS



## Basic Information

<b>Catalog Number:</b> 86859-3-PBS	<b>GenBank Accession Number:</b> BC114366	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 905	<b>CloneNo.:</b> 251811G2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O60583	
<b>Isotype:</b> IgG	<b>Full Name:</b> cyclin T2	
<b>Immunogen Catalog Number:</b> AG16514	<b>Calculated MW:</b> 730 aa, 81 kDa	
	<b>Observed MW:</b> 70-74 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Cyclin T2 (CCNT2) belongs to the cyclin family. CCNT2 is regulatory subunit of the cyclin-dependent kinase pair (CDK9/cyclin T) complex, also called positive transcription elongation factor B (P-TEFB), which is proposed to facilitate the transition from abortive to production elongation by phosphorylating the CTD (carboxy-terminal domain) of the large subunit of RNA polymerase II (RNAP II) (PMID: 9499409, PMID: 15563843). Cyclin T2 is expressed at a relatively high level in freshly isolated monocytes and its level remains constant when the cells are induced to undergo macrophage differentiation (PMID: 21791050). In contrast, Cyclin T1 is expressed at low levels in monocytes and it is strongly up-regulated by a post-transcriptional mechanism when the cells are induced to differentiate to macrophages.

## Storage

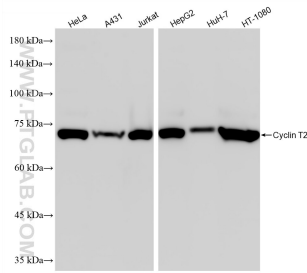
**Storage:**  
Store at -80°C.

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

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86859-3-RR (CCNT2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86859-3-PBS in a different storage buffer formulation.