

For Research Use Only

Cyclin T2 Recombinant monoclonal antibody

Catalog Number:86859-3-RR



Basic Information

Catalog Number:

86859-3-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16514

GenBank Accession Number:

BC114366

GeneID (NCBI):

905

UNIPROT ID:

O60583

Full Name:

cyclin T2

Calculated MW:

730 aa, 81 kDa

Observed MW:

70-74 kDa

Purification Method:

Protein A purification

CloneNo.:

251811G2

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, A431 cells, Jurkat cells, HepG2 cells, HuH-7 cells, HT-1080 cells

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

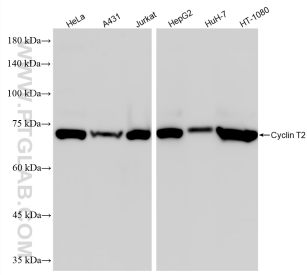
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

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.