

cyclin T2 Polyclonal antibody

Catalog Number: 21860-1-AP

Basic Information

Catalog Number:

21860-1-AP

Size:

900 ug/ml

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 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HepG2 cells, Jurkat cells, NIH/3T3 cells

IHC : mouse brain tissue, rat brain tissue

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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

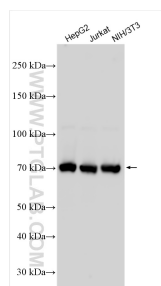
For technical support and original validation data for this product please contact:

T: 4006900926

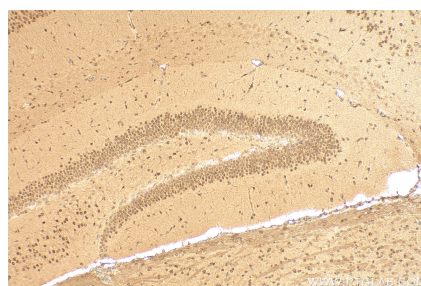
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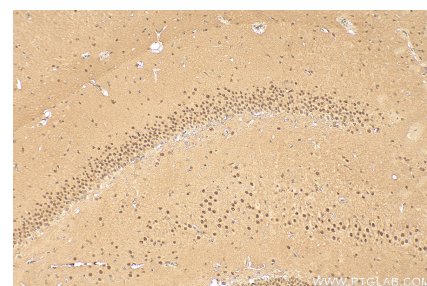
Selected Validation Data



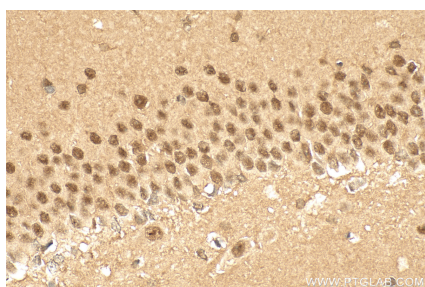
Various lysates were subjected to SDS PAGE followed by western blot with 21860-1-AP (cyclin T2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 21860-1-AP (cyclin T2 antibody) at dilution of 1:200 (under 4010x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 21860-1-AP (cyclin T2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 21860-1-AP (cyclin T2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).