

For Research Use Only

cyclin T2 Polyclonal antibody

Catalog Number: 21860-1-AP

1 Publications



Basic Information

Catalog Number: 21860-1-AP	GenBank Accession Number: BC114366	Purification Method: Antigen affinity purification
Concentration: 900 ug/ml	GeneID (NCBI): 905	Recommended Dilutions: WB: 1:1000-1:6000 IHC: 1:50-1:500
Source: Rabbit	UNIPROT ID: O60583	
Isotype: IgG	Full Name: cyclin T2	
Immunogen Catalog Number: AG16514	Calculated MW: 730 aa, 81 kDa Observed MW: 70 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HepG2 cells, Jurkat cells, NIH/3T3 cells IHC : mouse brain tissue, rat brain tissue
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Yi Wang	29849811	Oncol Lett	WB

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:

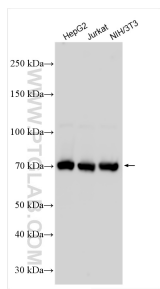
T: 4006900926

E: Proteintech-CN@ptglab.com

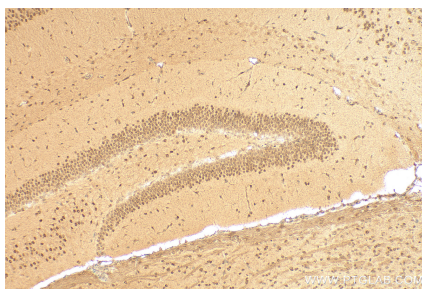
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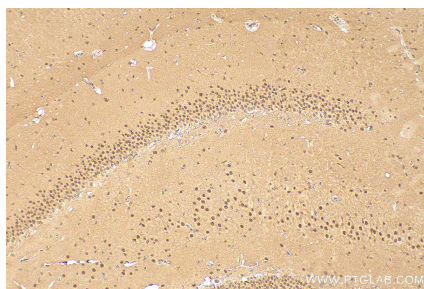
Selected Validation Data



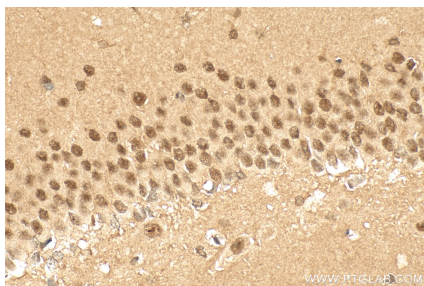
Various lysates were subjected to SDS PAGE followed by western blot with 21860-1-AP (cyclin T2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).