

For Research Use Only

CCNJ Polyclonal antibody

Catalog Number: 15694-1-AP



Basic Information

Catalog Number: 15694-1-AP	GenBank Accession Number: BC043175	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 54619	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q5T5M9	
Isotype: IgG	Full Name: cyclin J	
Immunogen Catalog Number: AG8273	Calculated MW: 43 kDa	
	Observed MW: 43 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : mouse kidney tissue, rat kidney tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : rat kidney tissue,

Background Information

CCNJ (Cyclin-J) Belongs to the Cyclin family. Cyclin J is expressed in early Drosophila embryos, and it is essential for mediating intestinal epithelial cell recovery from bacterial pore-forming toxin attack in both Drosophila and mice. Upon TLR and IFN stimulation, cyclin J restrained macrophage inflammatory responses irrespective of the cell cycle control. Cyclin J interacted with CDKs and facilitated the phosphorylation of a set of CDK substrates, including FoxK1 and Drp1. Phosphorylation inhibited FoxK1-mediated expression of glycolytic genes by reducing FoxK1 nuclear localization. Cyclin J-CDK-dependent Drp1 phosphorylation also resulted in mitochondrial fission and the suppression of ROS production (PMID: 35412849).

Storage

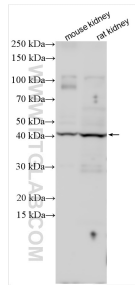
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

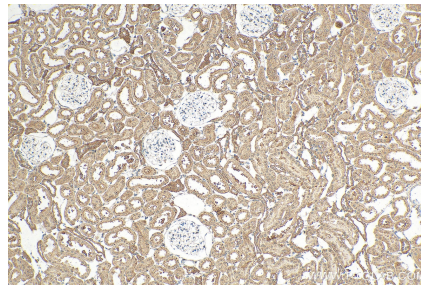
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15694-1-AP (CCNJ antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat kidney tissue slide using 15694-1-AP (CCNJ antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).