

For Research Use Only

PCF11 Polyclonal antibody

Catalog Number: 23540-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 23540-1-AP	GenBank Accession Number: BC146778	Purification Method: Antigen Affinity purified
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 51585	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: PCF11, cleavage and polyadenylation factor subunit, homolog (S. cerevisiae)	
Isotype: IgG	Calculated MW: 1555 aa, 173 kDa	
Immunogen Catalog Number: AG20263	Observed MW: 173 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : K-562 cells, HeLa cells
Cited Applications: CoIP, WB	
Species Specificity: human	
Cited Species: human, mouse	

Background Information

In *Saccharomyces cerevisiae*, the cleavage/polyadenylation factor Pcf11 is a crucial regulatory factor required for recruiting polyadenylation machinery to elongating RNA polymerase II (RNAPII), and is necessary for correct transcriptional termination. Pcf11 (PCF11, cleavage and polyadenylation factor subunit, homolog (*S. cerevisiae*)), is a 1,555 amino acid nuclear protein that is a component of pre-mRNA cleavage complex II. It is suggested that Pcf11 is capable of promoting the dissociation of Pol II elongation complexes from DNA. Pcf11 contains a CTD-interaction domain that binds in a phospho-dependent manner to the heptad repeats within the RNA polymerase II CTD. The gene encoding Pcf11 is located on human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11. This antibody is specific to the 173kd human PCF11 protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Jihae Shin	34244761	Nucleic Acids Res	WB
Geneva R LaForce	35139363	Neuron	CoIP
Asya Khleborodova	27060432	Biochimie	WB

Storage

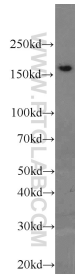
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 23540-1-AP (PCF11 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.