

For Research Use Only

# PCF11 Polyclonal antibody

Catalog Number: 23540-1-AP

Featured Product

5 Publications



## Basic Information

**Catalog Number:**

23540-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG20263

**GenBank Accession Number:**

BC146778

**GeneID (NCBI):**

51585

**UNIPROT ID:**

O94913

**Full Name:**

PCF11, cleavage and polyadenylation factor subunit, homolog (S. cerevisiae)

**Calculated MW:**

1555 aa, 173 kDa

**Observed MW:**

173 kDa

**Purification Method:**

Antigen Affinity purified

**Recommended Dilutions:**

WB 1:500-1:2000

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB, ColP

**Species Specificity:**

human

**Cited Species:**

human, mouse

**Positive Controls:**

WB : K-562 cells, HeLa cells

## 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	ColP
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

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

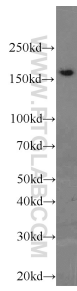
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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.