

For Research Use Only

PCF11 Polyclonal antibody, PBS Only

Catalog Number: 23540-1-PBS

Featured Product



Basic Information

Catalog Number:

23540-1-PBS

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

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human

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 map to chromosome 11. This antibody is specific to the 173kd human PCF11 protein.

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

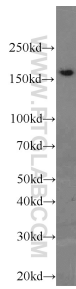
T: 4006900926

E: Proteintech-CN@ptglab.com

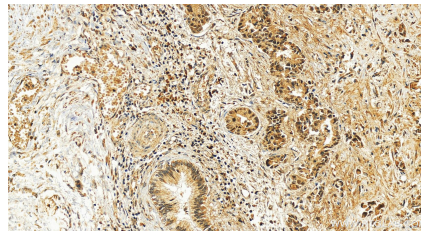
W: ptgcn.com

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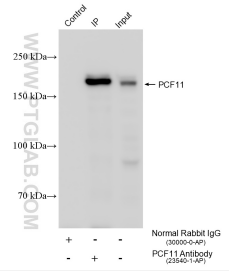
Selected Validation Data



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. This data was developed using the same antibody clone with 23540-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 23540-1-AP (PCF11 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 23540-1-PBS in a different storage buffer formulation.



IP result of anti-PCF11 (IP:23540-1-AP, 4ug; Detection:23540-1-AP 1:2000) with Jurkat cells lysate 1400 ug. This data was developed using the same antibody clone with 23540-1-PBS in a different storage buffer formulation.