For Research Use Only

# C12orf30 Polyclonal antibody, PBS Only

Catalog Number:31748-1-PBS Featured Product

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## Basic Information

Catalog Number:
31748-1-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG36383

GenBank Accession Number:
BC113585

GeneID (NCBI):
80018

UNIPROT ID:
Q14CX7

Full Name:
chromosome 12 open reading frame 30

Observed MW:
113 kDa，140 kDa

Purification Method:
Antigen affinity Purification

## Applications

Tested Applications:
WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:
human, mouse

## Background Information

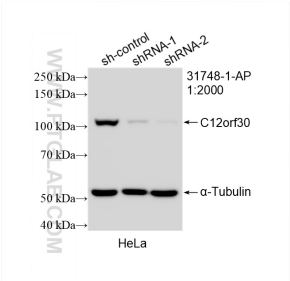
The C12orf30 gene encodes an auxiliary subunit of the N-terminal acetyltransferase B (NatB) complex, which is responsible for the acetylation of methionine residues at the N-terminus of proteins. The C12orf30 protein plays a role in the distribution and morphology of organelles, and is involved in cell migration and the dynamic changes of the cytoskeleton. In addition, polymorphisms in the C12orf30 gene are associated with susceptibility to various autoimmune diseases, such as rheumatoid arthritis, juvenile idiopathic arthritis, and type 1 diabetes. The C12orf30 protein also participates in regulating the function of immune cells, influencing their signal transduction. The theoretical size of C12orf30 protein is 113 kDa, and it is possible that post-translational modifications may have shifted the protein band up to about 140 kD.

## Storage

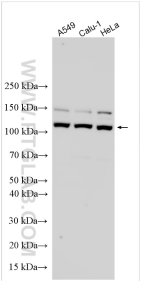
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

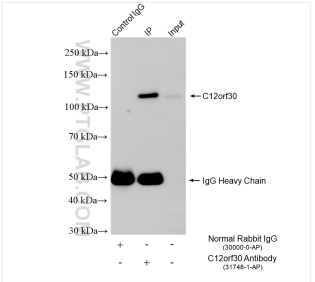
## Selected Validation Data



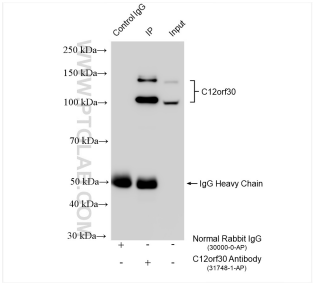

WB result of C12orf30 antibody (31748-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-C12orf30 transfected HeLa cells. This data was developed using the same antibody clone with 31748-1-PBS in a different storage buffer formulation.



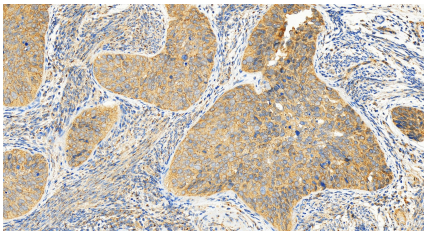

Various lysates were subjected to SDS PAGE followed by western blot with 31748-1-AP (C12orf30 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31748-1-PBS in a different storage buffer formulation.



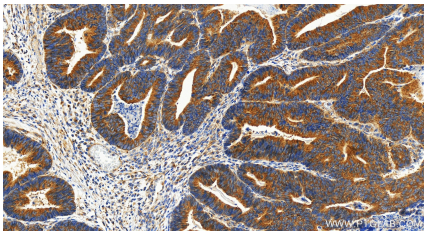

IP result of anti-C12orf30 (IP:31748-1-AP, 4ug; Detection:31748-1-AP 1:1500) with mouse ovary tissue lysate 640 ug. This data was developed using the same antibody clone with 31748-1-PBS in a different storage buffer formulation.



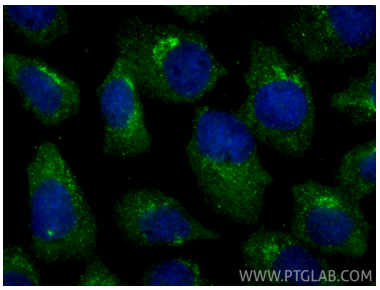

IP result of anti-C12orf30 (IP:31748-1-AP, 4ug; Detection:31748-1-AP 1:2000) with HeLa cells lysate 1280 ug. This data was developed using the same antibody clone with 31748-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 31748-1-AP (C12orf30 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31748-1-PBS in a different storage buffer formulation.




Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 31748-1-AP (C12orf30 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31748-1-PBS in a different storage buffer formulation.




Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using C12orf30 antibody (31748-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 31748-1-PBS in a different storage buffer formulation.