

For Research Use Only

# CCDC47 Polyclonal antibody, PBS Only

Catalog Number: 32080-1-PBS



## Basic Information

Catalog Number:

32080-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36570

GenBank Accession Number:

BC008905

GeneID (NCBI):

57003

UNIPROT ID:

Q96A33

Full Name:

coiled-coil domain containing 47

Calculated MW:

56 kDa

Observed MW:

56 kDa

Purification Method:

Antigen affinity Purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

Coiled-coil domain containing 47 (CCDC47, also known as THNS, GK001, and MSTP041) is an endoplasmic reticulum (ER) transmembrane protein involved in calcium signaling through utilization of its calcium binding-acidic luminal domain. It also interacts with the ERAD (endoplasmic reticulum-associated degradation) complex and is involved in ER stress relief (PMID: 28974366). The expression level of CCDC47 is associated with diabetic cardiomyopathy (PMID: 30140426). Its variant would cause trichohepatoneurodevelopmental syndrome (PMID: 38524542).

## 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:

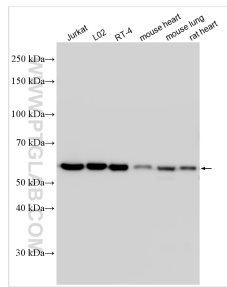
T: 4006900926

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

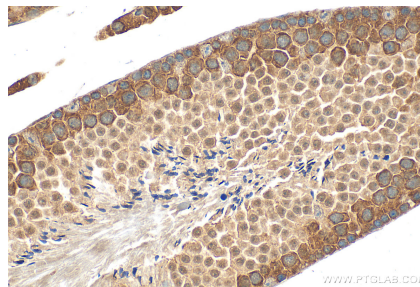
W: [ptgcn.com](http://ptgcn.com)

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

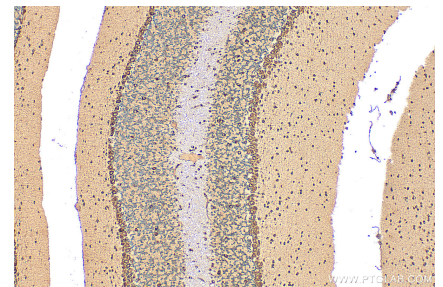
## Selected Validation Data



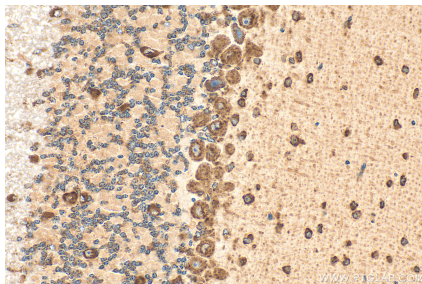
Various lysates were subjected to SDS PAGE followed by western blot with 32080-1-AP (CCDC47 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32080-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 32080-1-AP (CCDC47 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 32080-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 32080-1-AP (CCDC47 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 32080-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 32080-1-AP (CCDC47 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 32080-1-PBS in a different storage buffer formulation.