

For Research Use Only

CCDC47 Polyclonal antibody, PBS Only

Catalog Number: 32080-1-PBS



Basic Information

Catalog Number:

32080-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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.

Storage Buffer:

PBS only, pH7.3

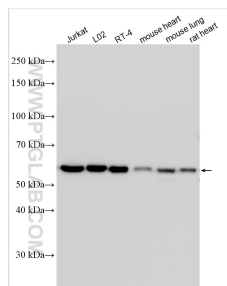
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

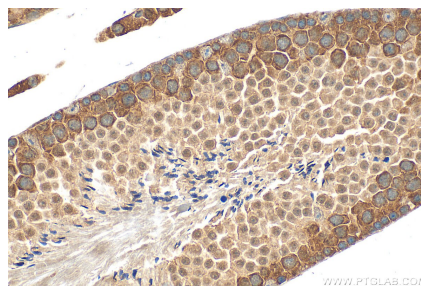
E: proteintech@ptglab.com
W: ptglab.com

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

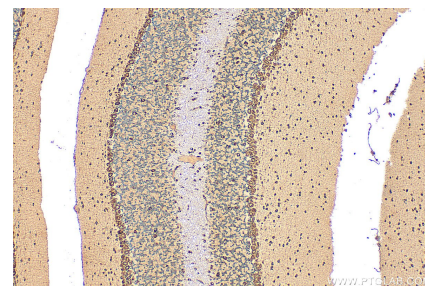
Selected Validation Data



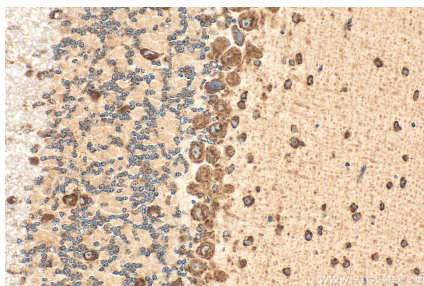
Various lysates were subjected to SDS PAGE followed by western blot with 32080-1-AP (CCDC47 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 32080-1-PBS in a different storage buffer formulation.



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.