

For Research Use Only

# CCDC50 Polyclonal antibody

Catalog Number: 21082-1-AP

Featured Product

3 Publications



## Basic Information

**Catalog Number:**

21082-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG15293

**GenBank Accession Number:**

BC065004

**GeneID (NCBI):**

152137

**UNIPROT ID:**

Q8IVM0

**Full Name:**

coiled-coil domain containing 50

**Calculated MW:**

482 aa, 56 kDa

**Observed MW:**

36-38 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:6000

IHC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, ELISA

**Cited Applications:**

WB, IHC, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** K-562 cells, L02 cells, mouse lung tissue, mouse skeletal muscle tissue, rat skeletal muscle tissue

**IHC:** human kidney tissue, human brain tissue

## Background Information

CCDC50 encodes Ymer, an effector of epidermal growth factor (EGF)-mediated cell signaling that is ubiquitously expressed in different organs and has been suggested to inhibit down-regulation of the EGF receptor. CCDC50 act as a multifunctional regulator in NF- $\kappa$ B and Fas signaling pathways. In chronic lymphocytic leukaemia (CLL) and mantle cell lymphoma (MCL), CCDC50 is required for the survival of MCL and CLL cancer cells. Recently, CCDC50 was shown to promote hepatocellular carcinoma through the Ras/Foxo4 signaling pathway. (PMID: 34453126, PMID: 32612200, PMID: 17503326)

## Notable Publications

| Author      | Pubmed ID | Journal   | Application |
|-------------|-----------|-----------|-------------|
| Yu Ye       | 38869076  | Autophagy | WB,IF       |
| Penghui Jia | 37672005  | EMBO Rep  | WB,IHC,IF   |
| Yuxin Lin   | 35343634  | EMBO Rep  | WB,IF       |

## 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:

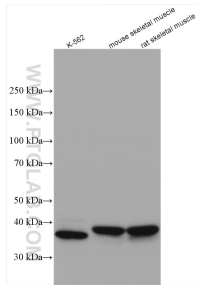
T: 4006900926

E: Proteintech-CN@ptglab.com

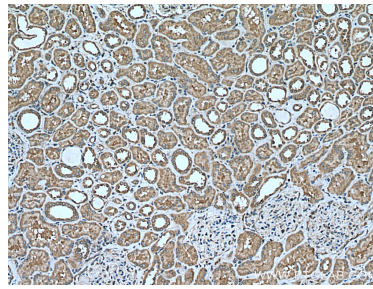
W: ptgcn.com

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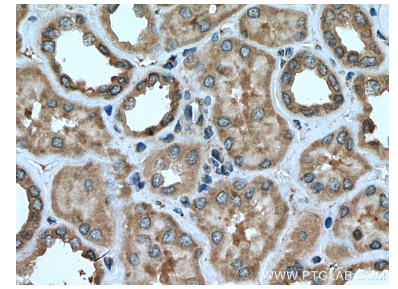
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21082-1-AP (CCDC50 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21082-1-AP (CCDC50 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21082-1-AP (CCDC50 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).