

For Research Use Only

CCDC50 Polyclonal antibody

Catalog Number: 21082-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

21082-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15293

GenBank Accession Number:

BC065004

GeneID (NCBI):

152137

UNIPROT ID:

Q8IVMO

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- κ 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

*** 20ul sizes contain 0.1% BSA

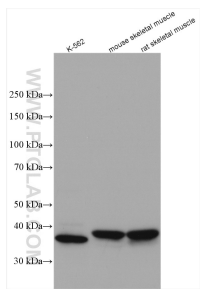
For technical support and original validation data for this product please contact:

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

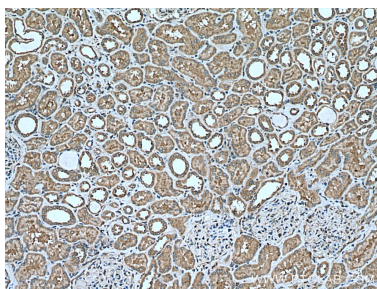
E: proteintech@ptglab.com
W: ptglab.com

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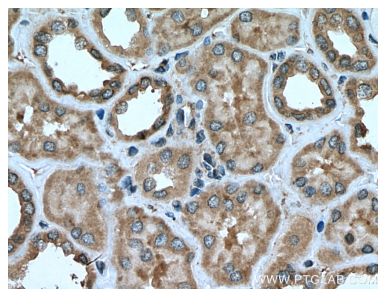
Selected Validation Data



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).