

For Research Use Only

CCDC8 Polyclonal antibody

Catalog Number: 27194-1-AP **2 Publications**



Basic Information

Catalog Number: 27194-1-AP	GenBank Accession Number: BC025243	Purification Method: Antigen affinity purification
Size: 800 µg/ml	GeneID (NCBI): 83987	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q9H0W5	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: coiled-coil domain containing 8	IHC 1:50-1:500
Immunogen Catalog Number: AG25794	Observed MW: 90 kDa, 59 kDa	

Applications

Tested Applications: WB, IP, IHC, ELISA	Positive Controls: WB : HEK-293 cells,
Cited Applications: IHC, IF	IP : HEK-293 cells,
Species Specificity: human	IHC : human lung cancer tissue,
Cited Species: human, mouse, rat	

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

Background Information

Coiled-coil domain-containing protein 8 (CCDC8) is a 538-amino acid protein with the molecular mass of 59kD and 90kD cause of the posttranslational modifications including amidation, glycosylation, phosphorylation, and myristalation (PMID: 21737058). CCDC8 has 2 coiled-coil domains, and the proteins containing this domain are involved in diverse biological processes, such as the regulation of gene expression, cell division, and membrane fusion. CCDC8 is evolutionarily conserved, and CCDC8 mutation leads to the development of 3M syndrome in humans, a primordial growth disorder, by interacting with CUL7, OBSL1, and P53. Low-level or no expression of CCDC8 was shown to be closely related to the development of some tumors, such as renal cell carcinoma, multiple myeloma, breast cancer, and prostate cancer (PMID: 21737058, 27342910).

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaojie Zhao	39744495	J Cancer	IHC
Jungang Huang	39424266	Life Sci	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:

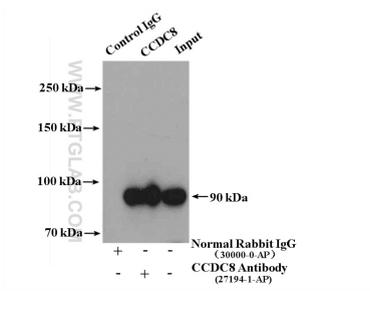
T: 4006900926

E: Proteintech-CN@ptglab.com

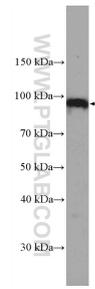
W: ptgcn.com

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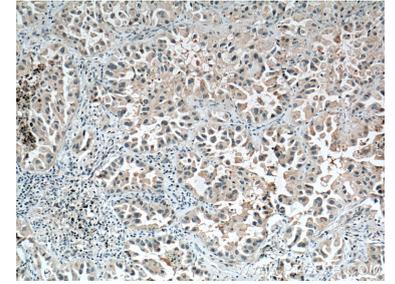
Selected Validation Data



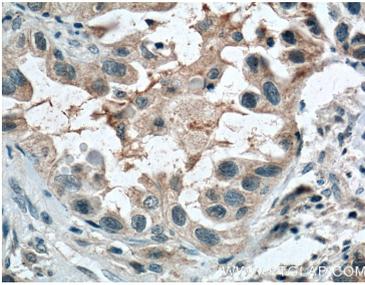
HEK-293 cells were subjected to SDS PAGE followed by western blot with 27194-1-AP (CCDC8 antibody) at dilution of 1:300.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 27194-1-AP (CCDC8 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 27194-1-AP (CCDC8 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 lung cancer tissue slide using 27194-1-AP (CCDC8 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).