

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 |

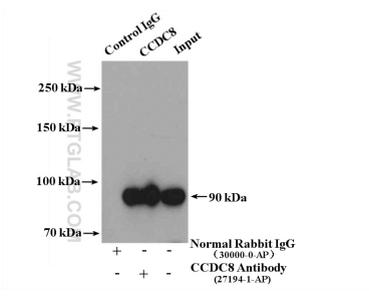
Storage

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

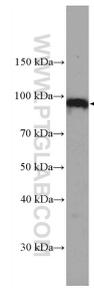
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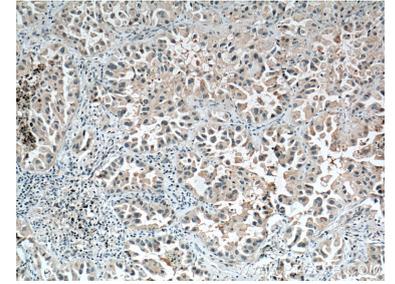
Selected Validation Data



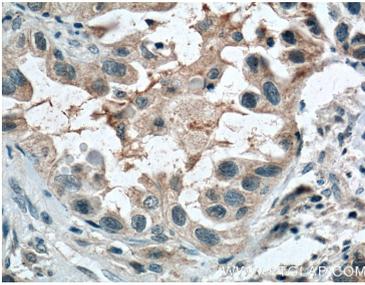
HEK-293 cells were subjected to SDS PAGE followed by western blot with 27194-1-AP (CCDC8 antibody) at dilution of 1:300.



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).