For Research Use Only

CNN3 Polyclonal antibody

Catalog Number:11509-1-AP Featured Product 4 Publications

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
11509-1-AP

Size:
150ul , Concentration: 200 µg/ml by Nanodrop and 173 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2068

GenBank Accession Number:
BC025372

GeneID (NCBI):
1266

UNIPROT ID:
Q15417

Full Name:
calponin 3, acidic

Calculated MW:
329 aa, 36 kDa

Observed MW:
36 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:6000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500
IF/ICC 1:10-1:100

Applications

Tested Applications:
WB, IP, IF, IHC, ELISA

Cited Applications:
WB, IF, IHC

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 : HCT 116 cells, HAP1 cells, human kidney tissue, human skeletal muscle tissue, HEK-293 cells, HepG2 cells, NIH/3T3 cells

IP : HEK-293 cells, U-87MG cells

IHC : human prostate cancer tissue, human skin tissue, human hysteromyoma tissue, human stomach cancer tissue

IF/ICC : Hela cells,

Notable Publications

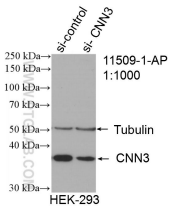
Author	Pubmed ID	Journal	Application
Taha A Jan	34260939	Cell Rep	IF
Keun-Seok Hong	30911294	Gastroenterol Res Pract	WB
Sun Chenchen	38625514	Mol Cell Biochem	IHC

Storage

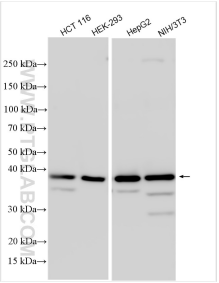
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

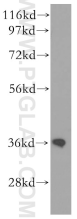
Selected Validation Data



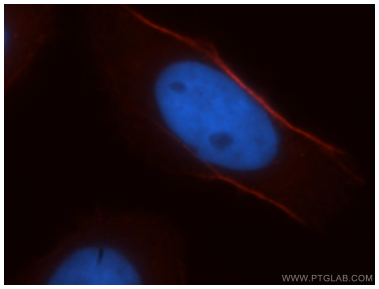
WB result of CNN3 antibody (11509-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CNN3 transfected HEK-293 cells.



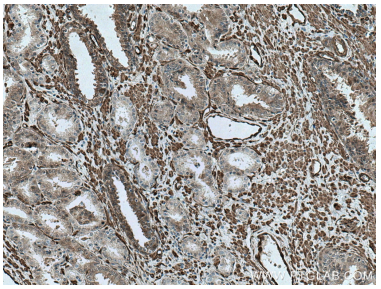
Various lysates were subjected to SDS PAGE followed by western blot with 11509-1-AP (CNN3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



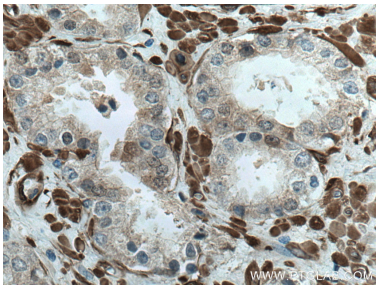
human kidney tissue were subjected to SDS PAGE followed by western blot with 11509-1-AP (CNN3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



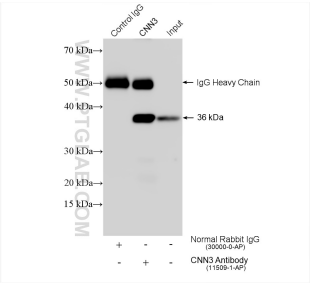
Immunofluorescent analysis of Hela cells, using CNN3 antibody 11509-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11509-1-AP (CNN3 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 prostate cancer tissue slide using 11509-1-AP (CNN3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-CNN3 (IP:11509-1-AP, 4ug; Detection:11509-1-AP 1:15000) with HEK-293 cells lysate 960 ug.