

For Research Use Only

# CEP250/CNAP1 Polyclonal antibody

Catalog Number: 14498-1-AP

34 Publications



## Basic Information

**Catalog Number:**

14498-1-AP

**Size:**

800 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG5925

**GenBank Accession Number:**

BC001433

**GeneID (NCBI):**

11190

**UNIPROT ID:**

Q9BV73

**Full Name:**

centrosomal protein 250kDa

**Calculated MW:**

281 kDa

**Observed MW:**

250 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, IP, ELISA

**Cited Applications:**

WB, IHC, IF

**Species Specificity:**

human

**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 : HeLa cells,

IP : HeLa cells,

IHC : human placenta tissue,

IF/ICC : hTERT-RPE1 cells, HeLa cells

## Background Information

CEP250, also known as C-Nap1, is a 250 kDa coiled-coil protein that localizes to the proximal ends of mother and daughter centrioles. It is required for centriole-centriole cohesion during interphase of the cell cycle. It dissociates from the centrosomes when parental centrioles separate at the beginning of mitosis. The protein associates with and is phosphorylated by NIMA-related kinase 2, which is also associated with the centrosome.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuki Yoshino	32788231	J Cell Sci	IF
Robert Mahen	36282799	PLoS Biol	IF
Tianyu Wu	36395215	Science	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](mailto:Proteintech-CN@ptglab.com)

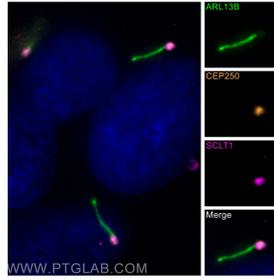
W: [ptgcn.com](http://ptgcn.com)

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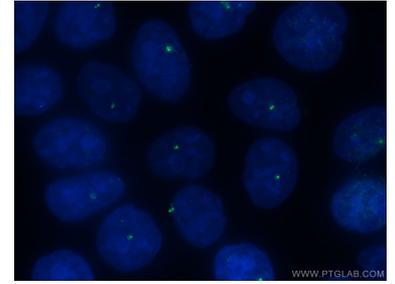
## Selected Validation Data



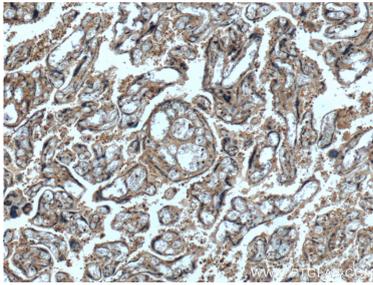
HeLa cells were subjected to SDS PAGE followed by western blot with 14498-1-AP (CEP250/CNAP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



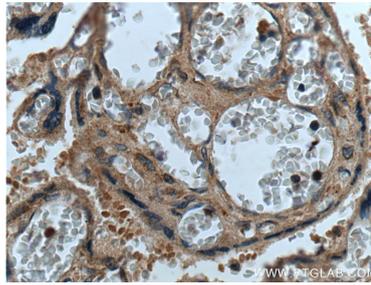
Immunofluorescent analysis of (-20°C Methanol) fixed hTERT-RPE1 cells using CEP250/CNAP1 antibody (14498-1-AP) at dilution of 1:100 and Cy3-conjugated Affinipure Goat Anti-Rabbit IgG(H+L), SCLT1 antibody (14875-1-AP, Magenta), CoraLite®488 ARL13B antibody (CL488-17711, green).



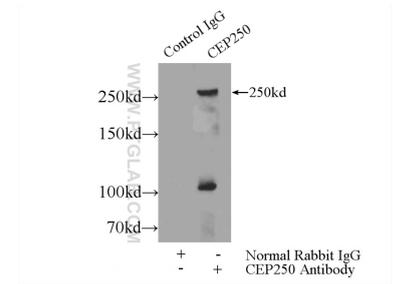
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 14498-1-AP (CEP250/CNAP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Affinipure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 14498-1-AP (CEP250/CNAP1 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 14498-1-AP (CEP250/CNAP1 antibody) at dilution of 1:200 (under 40x lens).



IP result of anti-CEP250/CNAP1 (IP:14498-1-AP, 5ug; Detection:14498-1-AP 1:500) with HeLa cells lysate 1200ug.