

For Research Use Only

CAMSAP2 Polyclonal antibody

Catalog Number: 17880-1-AP

Featured Product

48 Publications



Basic Information

Catalog Number:

17880-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11794

GenBank Accession Number:

BC065508

GeneID (NCBI):

23271

UNIPROT ID:

Q08AD1

Full Name:

calmodulin regulated spectrin-associated protein 1-like 1

Calculated MW:

1478 aa, 167 kDa

Observed MW:

168 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

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

IHC 1:20-1:200

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF, CoIP

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB: HEK-293T cells, mouse brain tissue, PC-3 cells

IP: PC-3 cells,

IHC: human kidney tissue, human heart tissue, human skin tissue, human placenta tissue, human ovary tissue, human spleen tissue, mouse testis tissue, human testis tissue, human lung tissue

Background Information

CAMSAP2, also known as CAMSAP1L1, is a microtubule minus-end binding protein, and is required for proper microtubule organization in neurons. CAMSAP2 stabilizes noncentrosomal microtubules and is important for neuronal polarity, axon specification, and dendritic branch formation.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------------|-----------|---------------|-------------|
| Joyce C M Meiring | 36174574 | Curr Biol | IF |
| Lingling Wang | 33094326 | Endocrinology | WB |
| Xiaojuan Wang | 36207462 | Sci Rep | WB |

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:

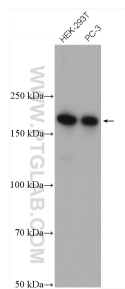
T: 4006900926

E: Proteintech-CN@ptglab.com

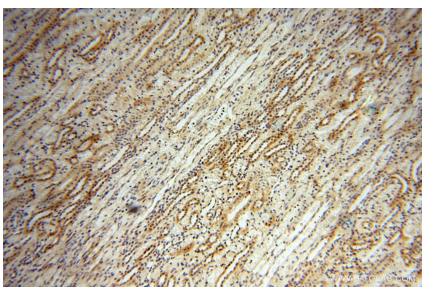
W: ptgcn.com

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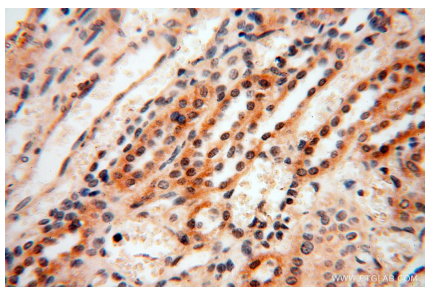
Selected Validation Data



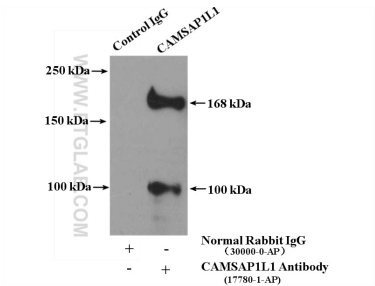
Various lysates were subjected to SDS PAGE followed by western blot with 17880-1-AP (CAMSAP2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 17880-1-AP (CAMSAP2 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 17880-1-AP (CAMSAP2 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-CAMSAP2 (IP:17880-1-AP, 4ug; Detection:17880-1-AP 1:3000) with PC-3 cells lysate 5000ug.