For Research Use Only

CAMSAP2 Polyclonal antibody

Catalog Number:17880-1-AP Featured Product 48 Publications

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Basic Information

Catalog Number:
17880-1-AP

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop and 393 ug/ml by Bradford method using BSA as the standard;

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 ug 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

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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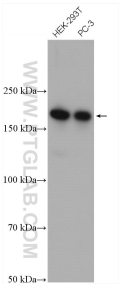
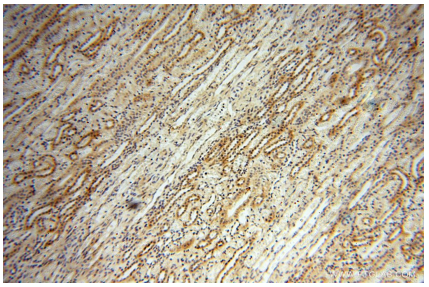
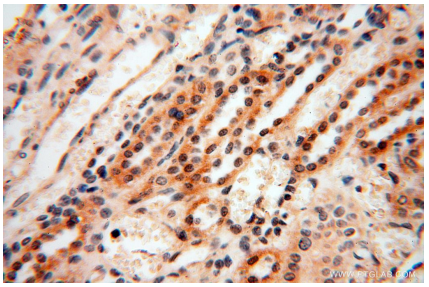
Selected Validation Data



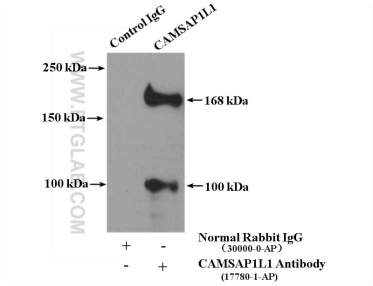
Various lysates were subjected to SDS PAGE followed by western blot with 17880-1-AP (CAMSAP2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



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.