

For Research Use Only

# CPNE3 Polyclonal antibody

Catalog Number: 11186-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 11186-1-AP	<b>GenBank Accession Number:</b> BC036242	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 253 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8895	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> copine III	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 60 kDa	
<b>Immunogen Catalog Number:</b> AG1634	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB: Y79 cells, IP: HepG2 cells, IHC: human prostate cancer tissue,
<b>Cited Applications:</b> IHC, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Copines are a family of evolutionarily conserved calcium-dependent phospholipid-binding proteins (PMID: 9430674). They contain two Ca<sup>2+</sup>- and phospholipid-binding domains known as C2 domains. Copines are potentially involved in regulating membrane trafficking and in protein-protein interactions.

## Notable Publications

Author	Pubmed ID	Journal	Application
Bo Sun	30078189	J Cell Physiol	WB, IHC

## Storage

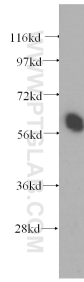
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

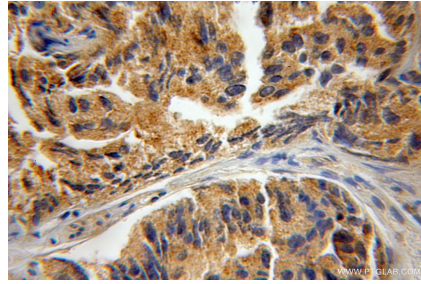
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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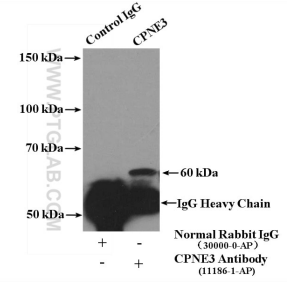
## Selected Validation Data



Y79 cells were subjected to SDS PAGE followed by western blot with 11186-1-AP (CPNE3 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11186-1-AP (CPNE3 antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-CPNE3 (IP:11186-1-AP, 4ug; Detection:11186-1-AP 1:300) with HepG2 cells lysate 3400ug.