

For Research Use Only

# UNC45A Polyclonal antibody

Catalog Number: 19564-1-AP

Featured Product

3 Publications



## Basic Information

<b>Catalog Number:</b> 19564-1-AP	<b>GenBank Accession Number:</b> NM_018671	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 55898	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> unc-45 homolog A (C. elegans)	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 103 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

IF, IHC, WB

### 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 :** K-562 cells, mouse lung tissue, mouse ovary tissue, HeLa cells

**IP :** K-562 cells,

**IHC :** human ovary tumor tissue, human tonsil tissue

## Background Information

UNC45A, also named as SMAP1, acts as co-chaperone for HSP90. UNC45A prevents the stimulation of HSP90AB1 ATPase activity by AHSA1. It is a positive factor in promoting PGR function in the cell. It is necessary for proper folding of myosin and necessary for normal cell proliferation, normal myotube formation and myosin accumulation during muscle cell development. UNC45A plays a role in erythropoiesis in stroma cells in the spleen. The antibody recognizes the C-term of UNC45A.

## Notable Publications

Author	Pubmed ID	Journal	Application
Susana Lechuga	35344227	FASEB J	WB
Valentino Clemente	34206743	Cells	IHC, IF
Juri Habicht	33262310	J Cell Sci	WB, 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

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

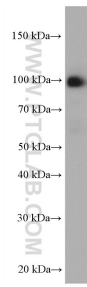
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

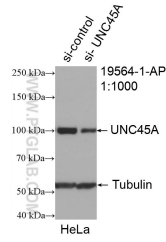
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

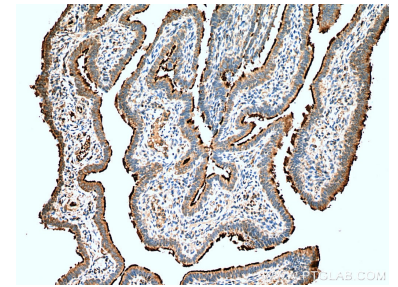
## Selected Validation Data



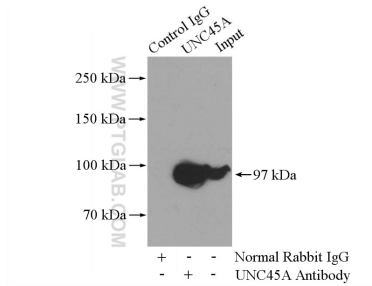
K-562 cells were subjected to SDS PAGE followed by western blot with 19564-1-AP (UNC45A antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



WB result of UNC45A antibody (19564-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-UNC45A transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 19564-1-AP (UNC45A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-UNC45A (IP:19564-1-AP, 4ug; Detection:19564-1-AP 1:300) with K-562 cells lysate 3600ug.