

For Research Use Only

UNC45A Polyclonal antibody

Catalog Number: 19564-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

19564-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_018671

GeneID (NCBI):

55898

UNIPROT ID:

Q9H3U1

Full Name:

unc-45 homolog A (C. elegans)

Calculated MW:

103 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF

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 cancer tissue,

Background Information

UNC45A, also named as SMAP1, acts as co-chaperone for HSP90. UNC45A prevents the stimulation of HSP90AB1 ATPase activity by AHS1. 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

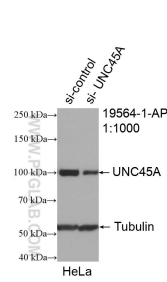
For technical support and original validation data for this product please contact:

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

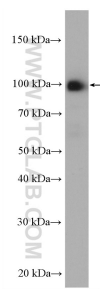
E: proteintech@ptglab.com
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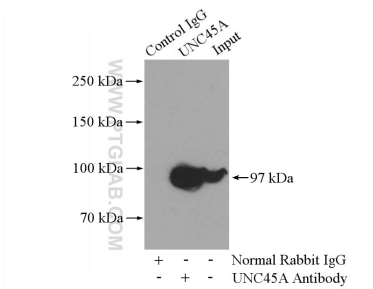
Selected Validation Data



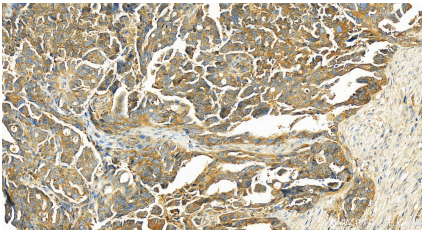
WB result of UNC45A antibody (19564-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-UNC45A transfected HeLa cells.



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.



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



Immunohistochemical analysis of paraffin-embedded human ovarian cancer slide using 19564-1-AP (UNC45A antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).