

For Research Use Only

# SERPINE2 Polyclonal antibody

Catalog Number: 11303-1-AP

Featured Product

9 Publications



## Basic Information

<b>Catalog Number:</b> 11303-1-AP	<b>GenBank Accession Number:</b> BC015663	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5270	<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> serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	<b>IHC 1:20-1:200</b> <b>IF 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 44 kDa	
<b>Immunogen Catalog Number:</b> AG1830	<b>Observed MW:</b> 44-50 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Cited Applications:**  
IF, IHC, IP, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, rat, mouse

**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:** C6 cells, A549 cells, MCF-7 cells, rat brain tissue, rat heart tissue

**IP:** A549 cells,

**IHC:** human testis tissue, human pancreas cancer tissue

**IF:** human testis tissue, A549 cells, mouse testis tissue

## Background Information

SERPINE2 also called protease nexin-1 or glial-derived neurite promoting factor, is a member of the serine protease inhibitor (SERPIN) superfamily. It would be a potent inhibitor of the urokinase-plasminogen activator (uPA), tissue-type PA (tPA), thrombin, trypsin, factor X<sub>ia</sub>, and prostasin. SERPINE2 is widely expressed in various tissues, including endothelial cells, fibroblasts, smooth muscle cells, tumor cells, glial cells, neurons, and placental cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wei Cai	36170234	Autophagy	IP
Jingjing Zhang	34648881	Cancer Lett	WB,IHC,IP
Mary Ann Stepp	30446696	Sci Rep	IF

## Storage

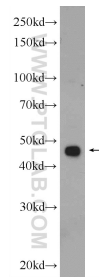
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

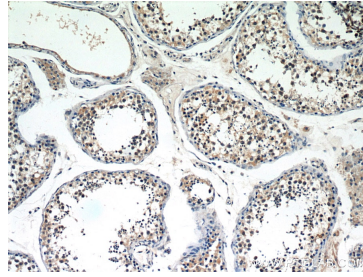
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

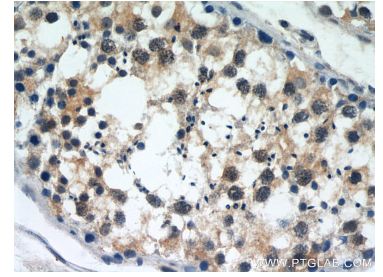
## Selected Validation Data



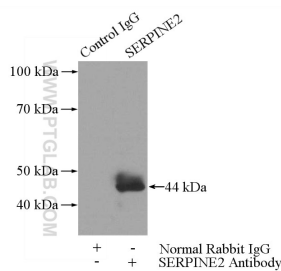
C6 cells were subjected to SDS PAGE followed by western blot with 11303-1-AP (SERPINE2 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



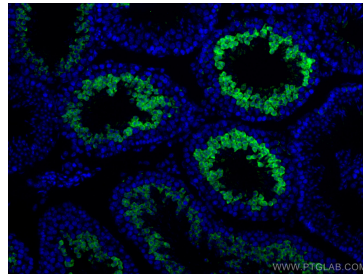
Immunohistochemical analysis of paraffin-embedded human testis slide using 11303-1-AP (SERPINE2 Antibody) at dilution of 1:50.



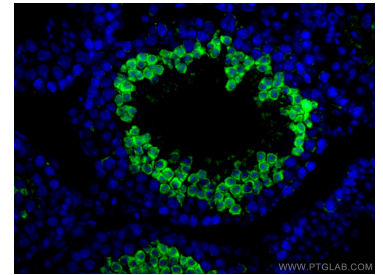
Immunohistochemical analysis of paraffin-embedded human testis slide using 11303-1-AP (SERPINE2 Antibody) at dilution of 1:50.



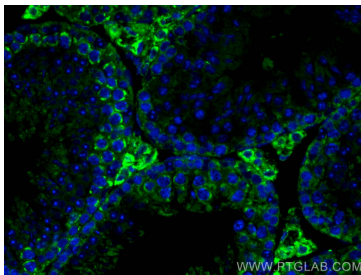
IP Result of anti-SERPINE2 (IP:11303-1-AP, 3ug; Detection:11303-1-AP 1:300) with A549 cells lysate 2800ug.



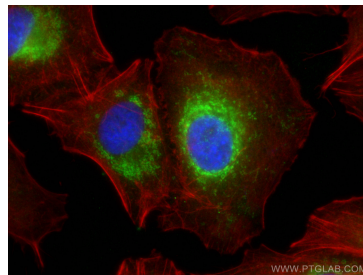
Immunofluorescent analysis of (4% PFA) fixed human testis tissue using SERPINE2 antibody (11303-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human testis tissue using SERPINE2 antibody (11303-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using SERPINE2 antibody (11303-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using SERPINE2 antibody (11303-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).