

# SERPINH1 Polyclonal Antibody

## Product Details

Size	100 µL
Species Reactivity	Human, Mouse
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 90 and 300 of Human HSP47
Form	Liquid
Concentration	0.37 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol
Contains	0.01% thimerosal
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2545308

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	2 Publications
Immunocytochemistry (ICC/IF)	1:100	-

## Product Specific Information

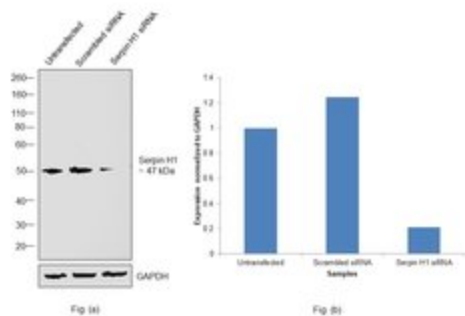
Recommended positive controls: NIH-3T3, A431, HeLa, HepG2, U87-MG, SK-N-SH, IMR32, SK-N-AS.

Predicted reactivity: Mouse (97%), Rat (97%), Dog (98%), Pig (96%), Chicken (88%), Sheep (96%), Rhesus Monkey (100%), Chimpanzee (100%), Bovine (96%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

**SERPINH1 Antibody (PA5-27832)**

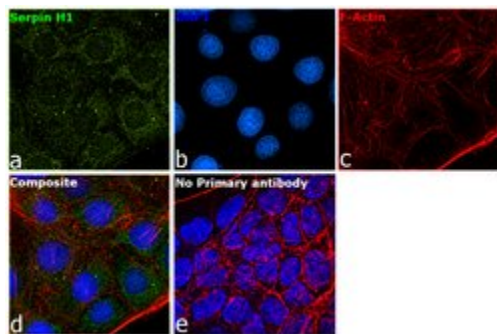
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. Caco-2 cells were transfected with Serpin H1 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-SERPINH1 Polyclonal Antibody (Product # PA5-27832). Knockdown validation info.



**Product Images For SERPINH1 Polyclonal Antibody**

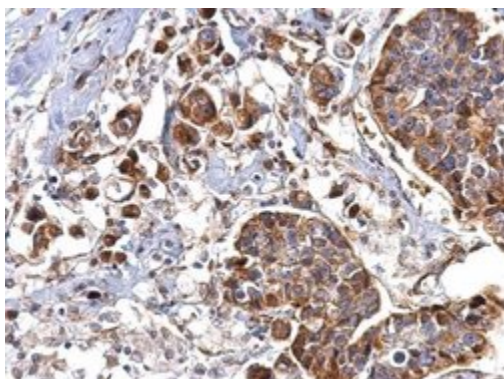
**SERPINH1 Antibody (PA5-27832) in ICC/IF**

Immunofluorescence analysis of Serpin H1 was performed using 70% confluent log phase Caco-2 cells. The cells were fixed with 4% paraformaldehyde for 5 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with SERPINH1 Polyclonal Antibody (Product # PA5-27832) at 1:100 dilution in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (1:2000 dilution), for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic (endoplasmic reticulum) localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



**SERPINH1 Antibody (PA5-27832) in IHC (P)**

Immunohistochemical analysis of HSP47 in the cytosol of paraffin-embedded human breast carcinoma using a HSP47 polyclonal antibody (Product # PA5-27832) at a dilution of 1:500.



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## Immunohistochemistry (1)

Nature communications

### Conditional deletion of Nedd4-2 in lung epithelial cells causes progressive pulmonary fibrosis in adult mice.

"PA5-27832 was used in Immunohistochemistry to show that conditional deletion of the ubiquitin ligase Nedd4-2 (Nedd4l) in lung epithelial cells in adult mice produces chronic lung disease sharing key features with idiopathic pulmonary fibrosis (IPF) including progressive fibrosis and bronchiolization with increased expression of Muc5b in peripheral airways, honeycombing and characteristic alterations in the lung proteome."

Authors: Duerr J,Leitz DHW,Szczygiel M,Dvornikov D,Fraumann SG,Kreutz C,Zadora PK,Seyhan Agircan A,Konietzke P,Engelmann TA,Hegermann J,Mulugeta S,Kawabe H,Knudsen L,Ochs M,Rotin D,Muley T,Kreuter M,Herth FJF,Wielpütz MO,Beers MF,Klingmüller U,Mall MA

**Species**  
Mouse  
Not Applicable

**Dilution**  
1:200  
Not Cited

**Year**  
2020

## Immunohistochemistry (Paraffin) (2)

International journal of legal medicine

### Detection of RAGE expression and its application to diabetic wound age estimation.

"PA5-27832 was used in immunohistochemistry - paraffin section to assess the use of receptor for advanced glycation end products as a marker of diabetic wound age"

Authors: Ji XY,Chen Y,Ye GH,Dong MW,Lin KZ,Han JG,Feng XP,Li XB,Yu LS,Fan YY

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2017

Inflammation

### Activation of 7nAChR Promotes Diabetic Wound Healing by Suppressing AGE-Induced TNF- Production.

"PA5-27832 was used in immunohistochemistry - paraffin section to elucidate the mechanism of alpha7nAChR in promoting diabetic wound healing by suppression of TNF-alpha-production"

Authors: Dong MW,Li M,Chen J,Fu TT,Lin KZ,Ye GH,Han JG,Feng XP,Li XB,Yu LS,Fan YY

**Species**  
Not Applicable

**Dilution**  
1:400

**Year**  
2016

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