

PRTN3 Antibody

Catalog No: #48509

Package Size: #48509-1 50ul #48509-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

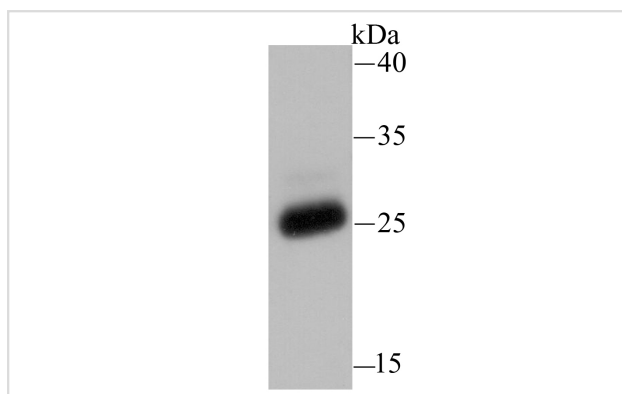
Description

Product Name	PRTN3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	ProA affinity purified
Applications	WB,ICC,IHC
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	ACPA antibody AGP 7 antibody AGP7 antibody AGP7 serine proteinase antibody Azurophil Granule Protein 7 antibody C ANCA antibody C ANCA antigen antibody C-ANCA antigen antibody CANCA antibody EC 3.4.21.76 antibody Leukocyte proteinase 3 antibody MBN antibody MBT antibody MBT WEGENER AUTOANTIGEN antibody Myeloblastin antibody Neutrophil proteinase 4 antibody NP 4 antibody NP-4 antibody NP4 antibody P29 antibody PR 3 antibody PR-3 antibody PR3 antibody Proteinase 3 antibody Proteinase3 antibody PRTN 3 antibody Prtn3 antibody PRTN3_HUMAN antibody Serine proteinase neutrophil Wegener granulomatosis autoantigen antibody Serine proteinase, neutrophil antibody Wegener autoantigen antibody Wegener granulomatosis autoantigen antibody
Accession No.	Swiss-Prot#:P24158
Uniprot	P24158
GeneID	5657;
Calculated MW	27 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

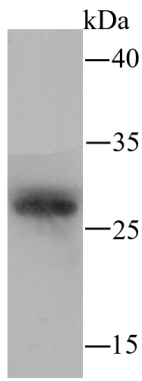
Application Details

WB: 1:500IHC: 1:100-1:500ICC: 1:50-1:200

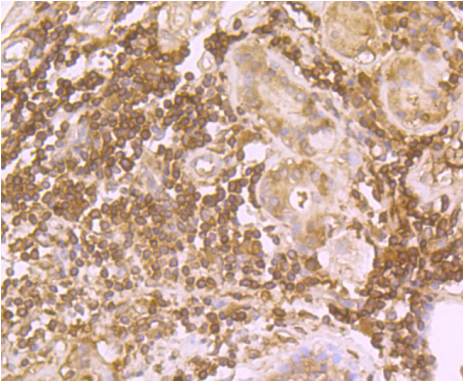
Images



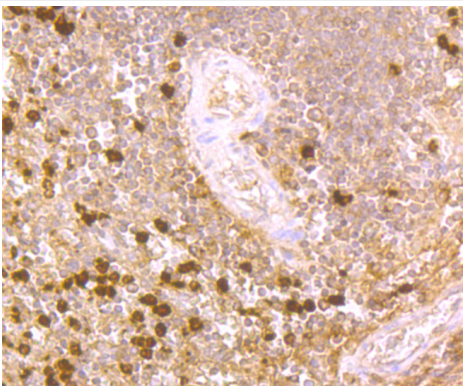
Western blot analysis of PRTN3 on U937 using anti-PRTN3 antibody at 1/500 dilution.



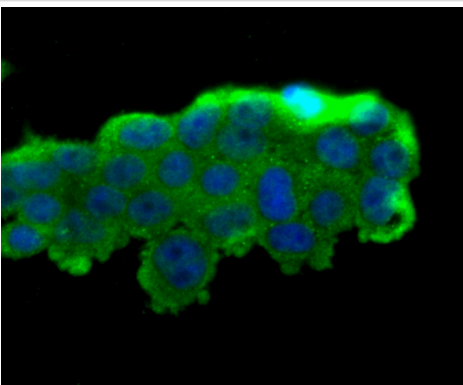
Western blot analysis of PRTN3 on mouse marrow lysate using anti-PRTN3 antibody at 1/100 dilution.



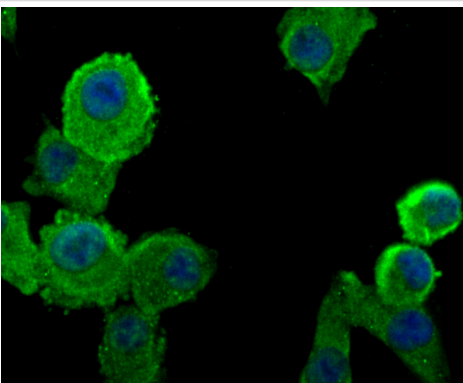
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-PRTN3 antibody. Counter stained with hematoxylin.



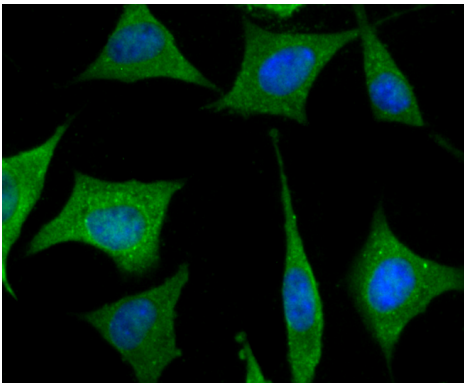
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-PRTN3 antibody. Counter stained with hematoxylin.



ICC staining PRTN3 in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PRTN3 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PRTN3 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

The major features of Wegener granulomatosis are necrotizing granulomatous lesions, which most often affect the upper and lower airways and are associated with vasculitis, necrotizing glomerulonephritis and pulmonary capillaritis. The antigen responsible for this disease is Proteinase 3 (PR3, P29 or myeloblastin), which is one of the antibiotic proteins of neutrophilic granules belonging to the serine protease family. It is closely related to two others: Neutrophil Elastase and azurocidin. All three genes are expressed coordinately and their protein products are packaged together into azurophil granules during neutrophil differentiation. PR3 is a neutrophil protein which is able to cleave elastin and is involved in proliferation of human leukemia cells. PR3 is expressed specifically in immature myeloid cells and is a G-CSF-responsive protein critical to factor-independent growth. The genes for all three of the related serine protease family members are located in a cluster on the tip of the short arm of human chromosome 19.

References

Note: This product is for in vitro research use only