

## PRTN3 Conjugated Antibody

Catalog No: #C48509



Package Size: #C48509-AF350 100ul #C48509-AF405 100ul #C48509-AF488 100ul  
 #C48509-AF555 100ul #C48509-AF594 100ul #C48509-AF647 100ul  
 #C48509-AF680 100ul #C48509-AF750 100ul #C48509-Biotin 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	PRTN3 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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
GenID	5657;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	27 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

---

## 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.

---

Note: This product is for in vitro research use only