International Office

Everest Biotech Ltd
Vector Laboratories, Inc.
6737 Mowry Ave
Newark, CA 94560
United States

Customer Service:
customerservice@vectorlabs.com
Technical Service:
technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

EB12324 - Goat Anti-proteinase 3 / myeloblastin (aa88-98) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: PRTN3, proteinase 3, ACPA, AGP7, C-ANCA, CANCA, MBN, MBT, NP4, P29, PR-3, PR3, C-ANCA antigen, NP-4, Wegener granulomatosis autoantigen, azurophil granule protein 7, leukocyte proteinase 3, myeloblastin, neutrophil proteinase 4, serine proteinase, neutrophil, wegener autoantigen
Official Symbol: PRTN3
Accession Number(s): NP_002768.3
Human GeneID(s): 5657

Immunogen

Peptide with sequence C-HNVRTQEPTQQ, from the internal region of the protein sequence according to NP_002768.3.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

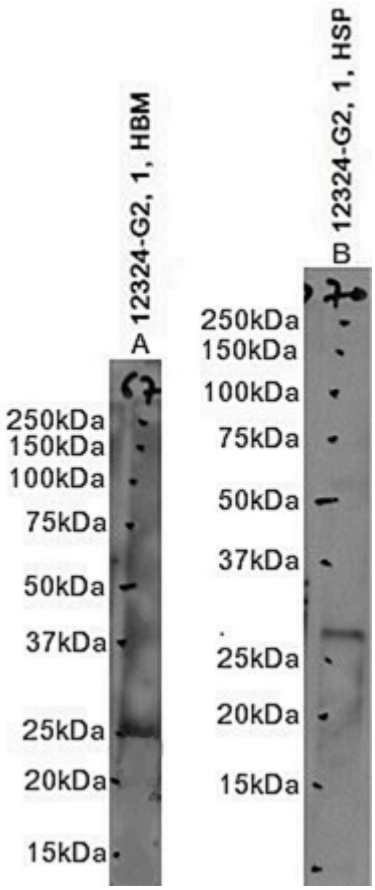
Peptide ELISA: antibody detection limit dilution 1:8000.
Western blot: Approx. 27kDa band observed in Human Spleen lysates, approx. 25kDa in Human Bone Marrow lysates, and approx. 26kDa in preliminary testing of THP-1 cell lysate (calculated MW of 27.8kDa according to NP_002768.3). Recommended concentration:0.3-1µg/ml. Primary incubation 1 hour at room temperature.
IHC: Paraffin embedded Human Spleen. Recommended concentration: 5µg/ml.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of A431 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

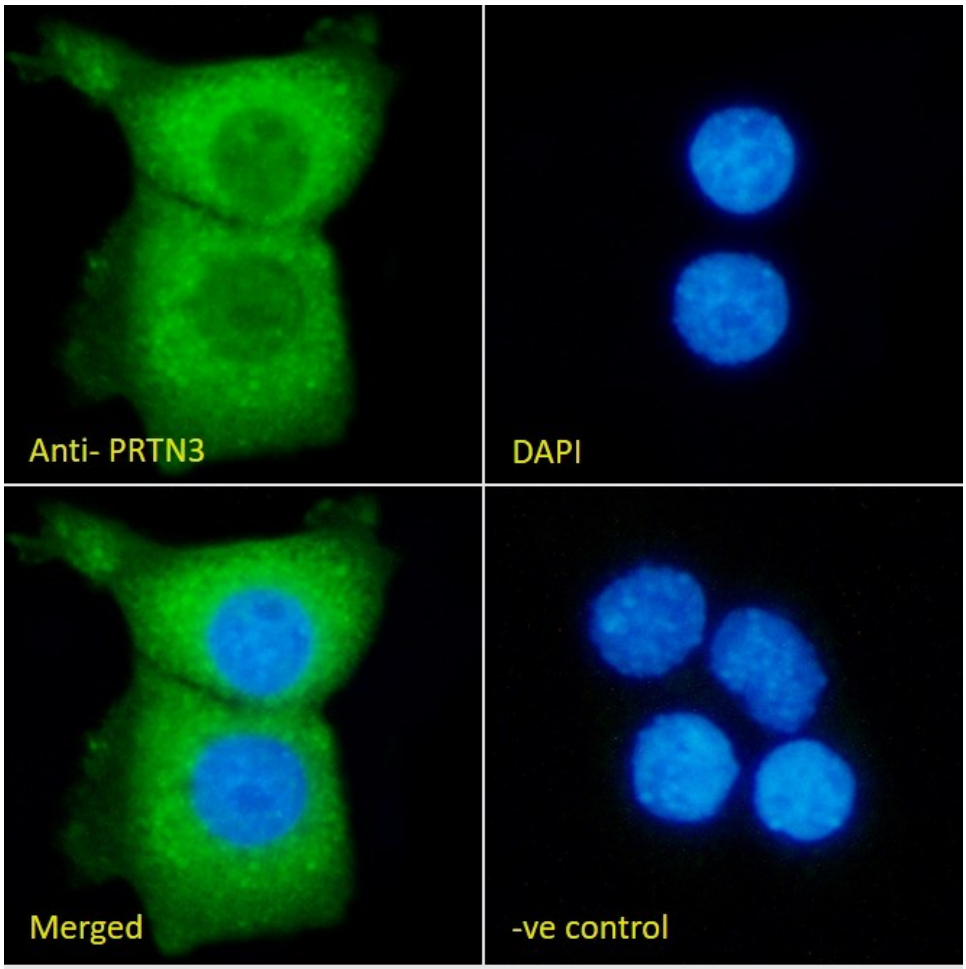
Species Reactivity

Tested: Human
Expected from sequence similarity: Human

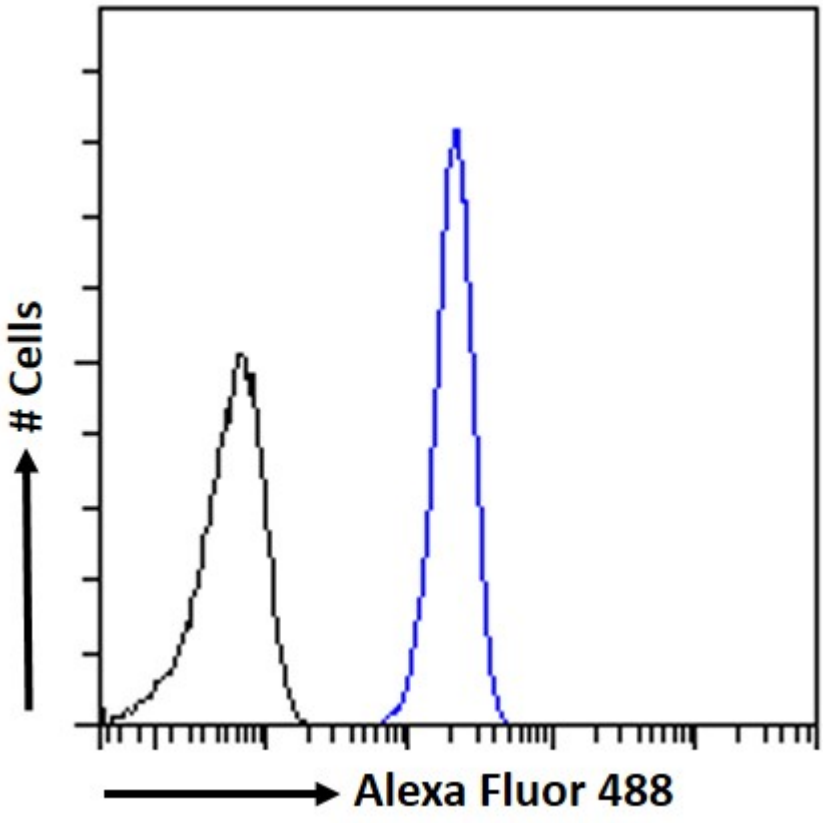


EB12324 optimised QC. Primary incubation 1 hour at room temperature.

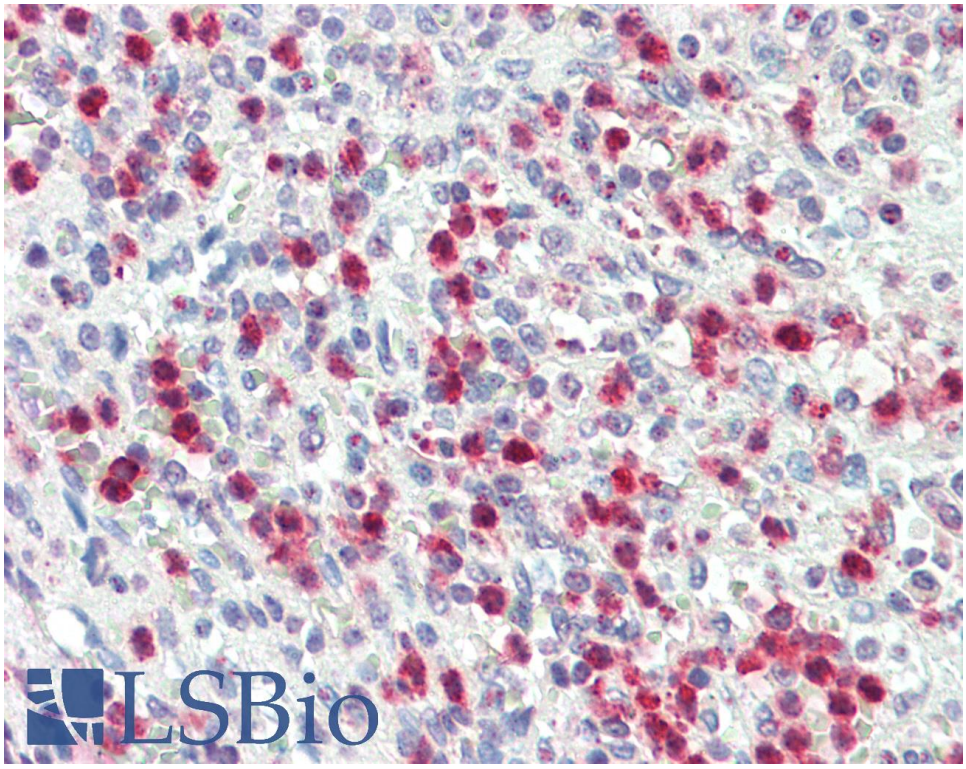
Images A and B: Human Bone Marrow and Spleen lysate at primary Ab concentration 1ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



EB12324 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12324 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



EB12324 (5µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.