abcam

Product datasheet

Anti-PR3 antibody [EPR23253-35] - BSA and Azide free ab270610

Recombinant RabMAb

9 Images

Overview

Product name	Anti-PR3 antibody [EPR23253-35] - BSA and Azide free
Description	Rabbit monoclonal [EPR23253-35] to PR3 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P, ICC/IF **Unsuitable for:** Flow Cyt,IP or WB
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human bone marrow, lung, spleen and placenta tissue; Mouse lung and spleen tissue. ICC/IF: Mouse bone marrow cells.
General notes	ab270610 is the carrier-free version of **ab270441**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR23253-35
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab270610 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

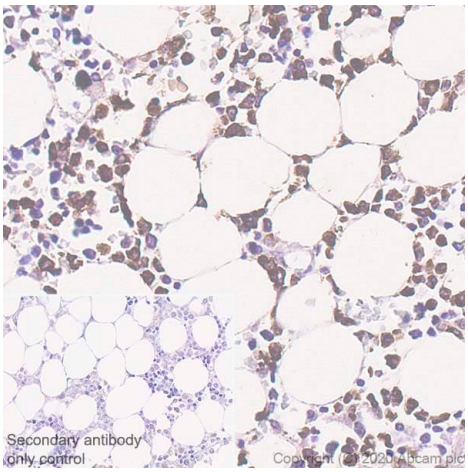
Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

Application notes Is unsuitable for Flow Cyt,IP or WB.

Target

Function	Polymorphonuclear leukocyte serine protease that degrades elastin, fibronectin, laminin, vitronectin, and collagen types I, III, and IV (in vitro) and causes emphysema when administered by tracheal insufflation to hamsters.
Sequence similarities	Belongs to the peptidase S1 family. Elastase subfamily. Contains 1 peptidase S1 domain.

Images



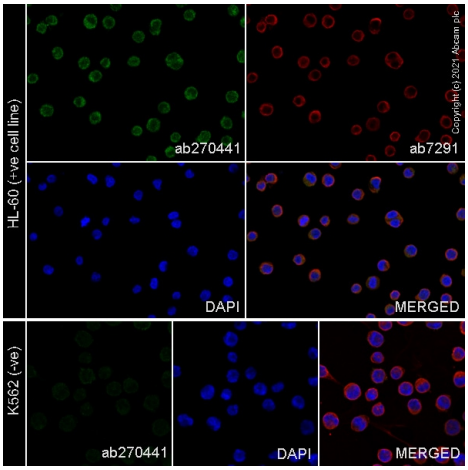
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PR3 antibody [EPR23253-35] - BSA and Azide free (ab270610)

Immunohistochemical analysis of paraffin-embedded Human bone marrow tissue labeling PR3 with **ab270441** at 1/100 dilution followed by a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used. Positive staining on human bone marrow (PMID: 22247758).The section was incubated with **ab270441** for 30 mins at room temperature. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab270441**).

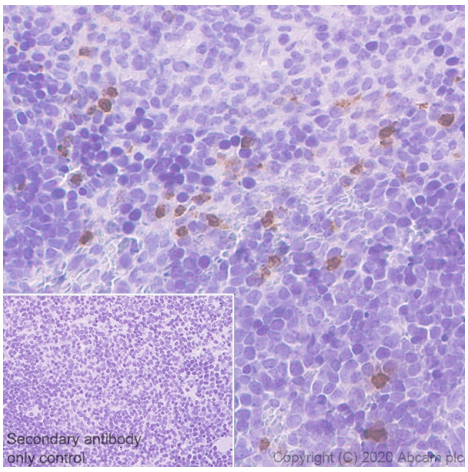


Immunocytochemistry/ Immunofluorescence - Anti-PR3 antibody [EPR23253-35] - BSA and Azide free (ab270610)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab270441**).

ab270441 staining PR3 in HL-60 cells, with negative expression in K562 cells. The cells were fixed with 4% formaldehyde (10 min), permeabilised with 0.1% Triton x-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with **ab270441** at 5 µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin at 0.5 µg/ml. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed at 1/1000 dilution (shown in green) and **ab150119**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 647), pre-adsorbed at 1/1000 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PR3 antibody [EPR23253-35] - BSA and Azide free (ab270610)

Immunohistochemical analysis of paraffin-embedded Mouse spleen tissue labeling PR3 with **ab270441** at 1/2000 dilution followed by a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used. Positive staining on neutrophils in mouse spleen. The section was incubated with **ab270441** for 30 mins at room temperature.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used.

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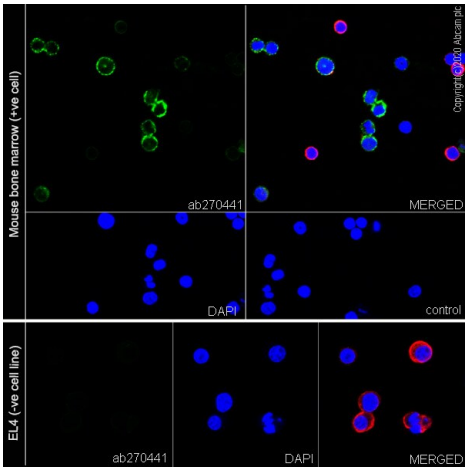
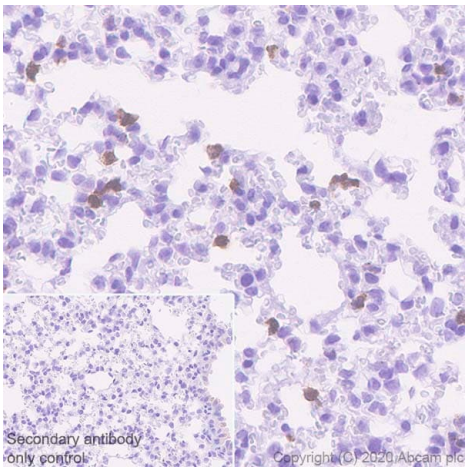


Immunocytochemistry/ Immunofluorescence - Anti-PR3 antibody [EPR23253-35] - BSA and Azide free (ab270610)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized mouse bone marrow or EL4 cells labelling PR3 with **ab270441** at 1/100 dilution, followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing membranous and cytoplasmic staining in a subset of mouse bone marrow cells. **Negative control:** EL4 (PMID: 9211743). **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 dilution (Red). The Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab270441**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PR3 antibody [EPR23253-35] - BSA and Azide free (ab270610)

Immunohistochemical analysis of paraffin-embedded Mouse lung tissue labeling PR3 with **ab270441** at 1/2000 dilution followed by a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used. Positive staining on neutrophils in mouse lung (PMID: 22247758).The section was incubated with **ab270441** for 30 mins at room temperature.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used.

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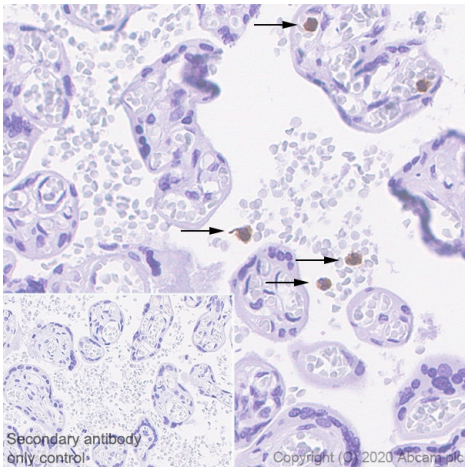

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PR3 antibody [EPR23253-35] - BSA and Azide free (ab270610)

Immunohistochemical analysis of paraffin-embedded Human placenta tissue labeling PR3 with **ab270441** at 1/100 dilution followed by a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used. Positive staining on neutrophils in human placenta.The section was incubated with **ab270441** for 30 mins at room temperature.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

Secondary antibody only control: Secondary antibody is a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used.

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

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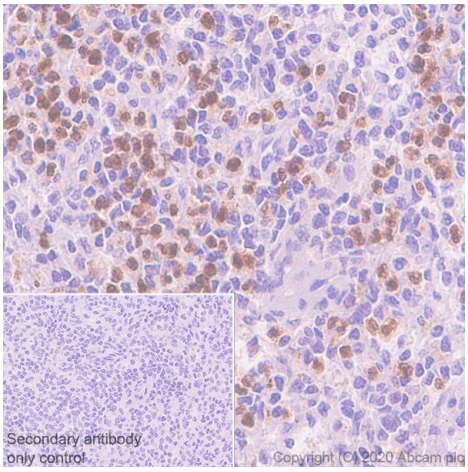

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PR3 antibody [EPR23253-35] - BSA and Azide free (ab270610)

Immunohistochemical analysis of paraffin-embedded Human spleen tissue labeling PR3 with **ab270441** at 1/100 dilution followed by a ready to use LeicaDS9800 (Bond™, Polymer Refine Detection) was used. Positive staining on neutrophils in human spleen.The section was incubated with **ab270441** for 30 mins at room temperature.The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with Hematoxylin.

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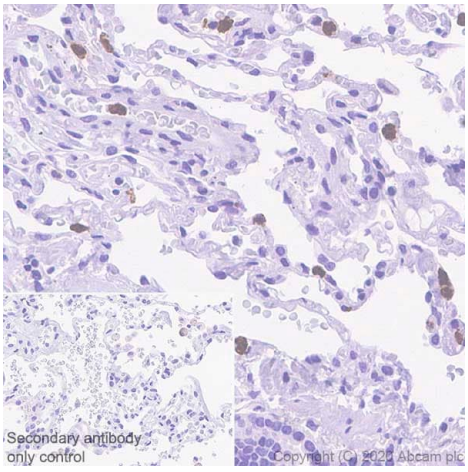

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