

Anti-Neutrophil Elastase antibody [EPR7479] ab131260

重组 RabMAb

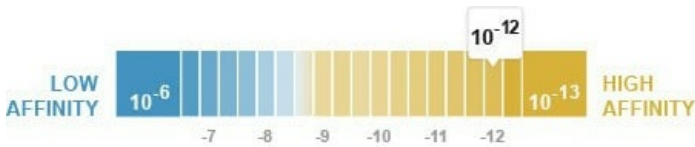
★★★★★ 4 Abreviews 22 References 10 图像

概述

产品名称	Anti-Neutrophil Elastase抗体[EPR7479]
描述	兔单克隆抗体[EPR7479] to Neutrophil Elastase
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, IHC-P, ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	HL60 cell lysate; Human bone marrow tissue
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解离常数 (K _D)	K _D = 6.00 x 10 ⁻¹² M



[Learn more about K_D](#)

存储溶液	pH: 7.20
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	Preservative: 0.01% Sodium azide
	Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR7479
同种型	IgG

应用

The Abpromise guarantee

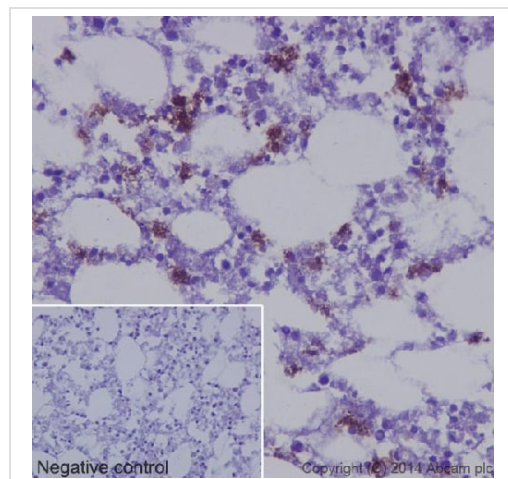
Abpromise™承诺保证使用ab131260于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/20. For unpurified use at 1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/5000. Predicted molecular weight: 29 kDa.
IHC-P	★★★★★ (2)	1/5000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. For unpurified use at 1/250 - 1/500. See protocols IHC antigen retrieval protocols .
ICC/IF	★★★★★ (1)	1/70. For unpurified use at 1/250 - 1/500

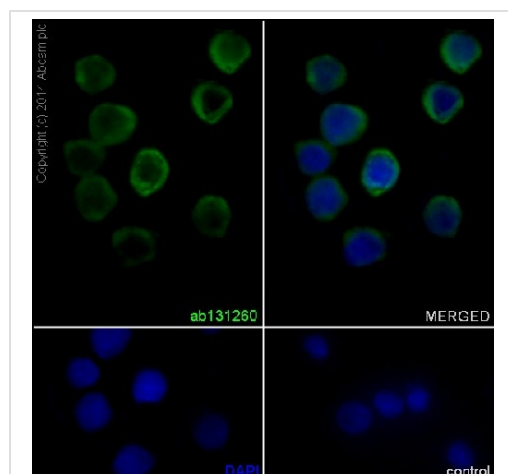
靶标

功能	Modifies the functions of natural killer cells, monocytes and granulocytes. Inhibits C5a-dependent neutrophil enzyme release and chemotaxis.
组织特异性	Bone marrow cells.
疾病相关	<p>Defects in ELANE are a cause of cyclic haematopoiesis (CH) [MIM:162800]; also known as cyclic neutropenia. CH is an autosomal dominant disease in which blood-cell production from the bone marrow oscillates with 21-day periodicity. Circulating neutrophils vary between almost normal numbers and zero. During intervals of neutropenia, affected individuals are at risk for opportunistic infection. Monocytes, platelets, lymphocytes and reticulocytes also cycle with the same frequency.</p> <p>Defects in ELANE are the cause of neutropenia severe congenital autosomal dominant type 1 (SCN1) [MIM:202700]. SCN1 is a disorder of hematopoiesis characterized by a maturation arrest of granulopoiesis at the level of promyelocytes with peripheral blood absolute neutrophil counts below 0.5 x 10(9)/l and early onset of severe bacterial infections.</p>
序列相似性	<p>Belongs to the peptidase S1 family. Elastase subfamily.</p> <p>Contains 1 peptidase S1 domain.</p>



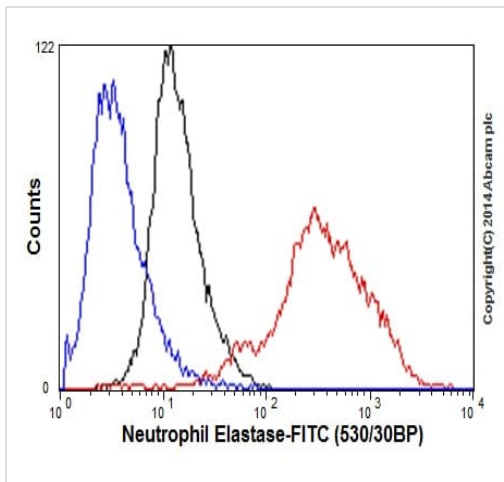
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neutrophil Elastase antibody [EPR7479] (ab131260)

ab131260 staining Neutrophil Elastase in Human bone marrow tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed and paraffin-embedded, antigen retrieval was by heat mediation in Tris/EDTA buffer pH9. Samples were incubated with primary antibody (1/5000). An undiluted HRP-conjugated mouse anti-rabbit IgG was used as the secondary antibody. Tissue counterstained with Hematoxylin. PBS was used in the negative control rather than the Primary antibody.



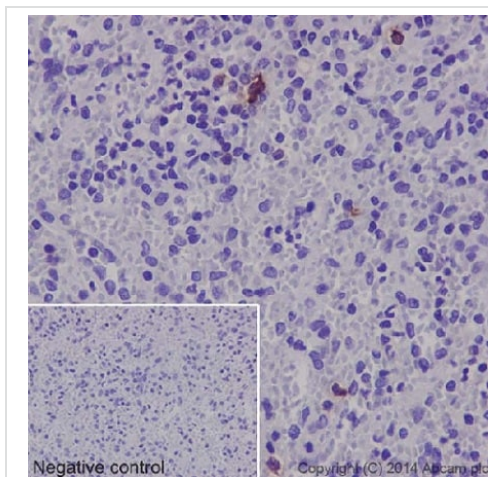
Immunocytochemistry/ Immunofluorescence - Anti-Neutrophil Elastase antibody [EPR7479] (ab131260)

ab131260 staining Neutrophil Elastase in the HL-60 cell line by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100. Samples were incubated with primary antibody (1/70). ab150120(1/500) an Alexa Fluor®594-conjugated Goat anti-rabbit IgG was used as the secondary antibody. Nuclei were counterstained with DAPI.



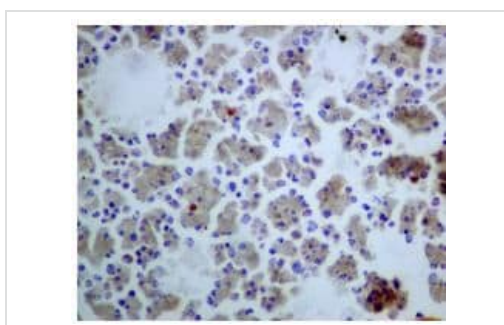
Flow Cytometry (Intracellular) - Anti-Neutrophil Elastase antibody [EPR7479] (ab131260)

Overlay histogram showing HL-60 cells stained with ab131260 (red line) at 1/20 dilution. The cells were fixed with 80% methanol. The secondary antibody used was a FITC conjugated goat anti-rabbit IgG at 1/150 dilution. Isotype control antibody (black line) was rabbit monoclonal IgG used under the same conditions. Cells also incubated without primary antibody and secondary antibody (blue line)



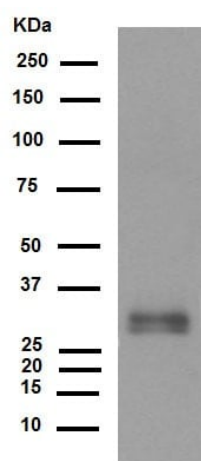
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neutrophil Elastase antibody [EPR7479] (ab131260)

ab131260 staining Neutrophil Elastase in Human spleen tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed and paraffin-embedded, antigen retrieval was by heat mediation in Tris/EDTA buffer pH9. Samples were incubated with primary antibody (1/5000). An undiluted HRP-conjugated mouse anti-rabbit IgG was used as the secondary antibody. Tissue counterstained with Hematoxylin. PBS was used in the negative control rather than the Primary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neutrophil Elastase antibody [EPR7479] (ab131260)

Immunohistochemical analysis of paraffin-embedded Human bone marrow tissue labelling Neutrophil Elastase with unpurified ab131260 at 1/250 dilution.



Western blot - Anti-Neutrophil Elastase antibody [EPR7479] (ab131260)

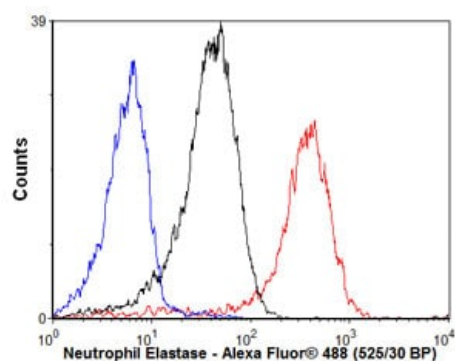
Anti-Neutrophil Elastase antibody [EPR7479] (ab131260) at 1/1000 dilution + HL-60 Cell Lysate at 10 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

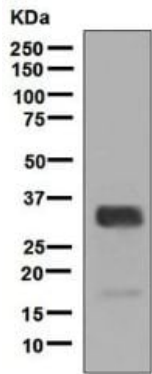
Predicted band size: 29 kDa

Observed band size: 29 kDa



Flow Cytometry (Intracellular) - Anti-Neutrophil Elastase antibody [EPR7479] (ab131260)

Overlay histogram showing HL60 cells stained with unpurified ab131260 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab131260, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was goat anti-rabbit Alexa Fluor® 488 (IgG H+L) ([ab150077](#)) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Western blot - Anti-Neutrophil Elastase antibody
[EPR7479] (ab131260)

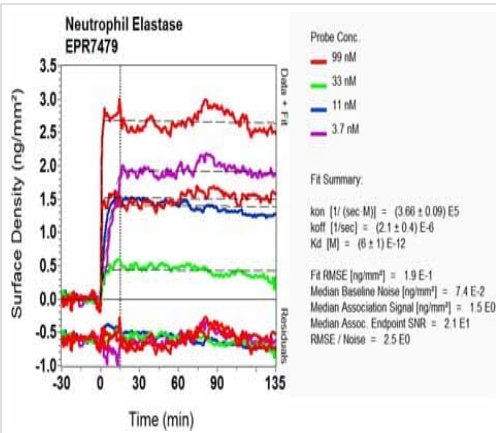
Anti-Neutrophil Elastase antibody [EPR7479] (ab131260) at
1/1000 dilution (Unpurified) + HL60 cell lysate at 10 µg

Secondary

HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 29 kDa

Secondary antibody - goat **anti-rabbit HRP (ab6721)**



SPR Scanning - Anti-Neutrophil Elastase antibody
[EPR7479] (ab131260)

Equilibrium dissociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Neutrophil Elastase antibody [EPR7479]
(ab131260)

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