

### Anti-CD116 antibody [EPR24554-113] ab280357

リコンビナント **RabMAb**

画像数 5

#### 製品の概要

製品名	Anti-CD116 antibody [EPR24554-113]
製品の詳細	Rabbit monoclonal [EPR24554-113] to CD116
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P <b>適用なし:</b> Flow Cyt, ICC/IF, IHC-Fr or IP
種交差性	<b>交差種:</b> Mouse
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: RAW264.7 and J774A.1 whole cell lysate. Mouse lung and spleen lysate. IHC-P: Mouse lung and spleen tissue.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.01% Sodium azide Constituents: 59.94% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR24554-113
アイソタイプ	IgG

## アプリケーション

### The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab280357の使用に適用されます**

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		1/1000. Predicted molecular weight: 46 kDa.
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

### 追加情報

Is unsuitable for Flow Cyt, ICC/IF, IHC-Fr or IP.

## ターゲット情報

### 機能

Low affinity receptor for granulocyte-macrophage colony-stimulating factor. Transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells.

### 関連疾患

Defects in CSF2RA are the cause of pulmonary surfactant metabolism dysfunction type 4 (SMDP4) [MIM:300770]. A rare lung disorder due to impaired surfactant homeostasis. It is characterized by alveolar filling with floccular material that stains positive using the periodic acid-Schiff method and is derived from surfactant phospholipids and protein components. Excessive lipoproteins accumulation in the alveoli results in severe respiratory distress.

### 配列類似性

Belongs to the type I cytokine receptor family. Type 5 subfamily.

### ドメイン

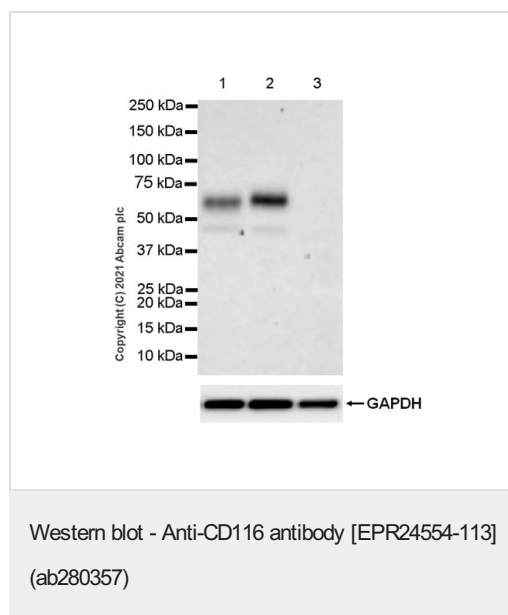
The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.

The box 1 motif is required for JAK interaction and/or activation.

### 細胞内局在

Secreted and Cell membrane.

## 画像



**All lanes :** Anti-CD116 antibody [EPR24554-113] (ab280357) at 1/1000 dilution

**Lane 1 :** RAW264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage), whole cell lysate

**Lane 2 :** J774A.1 (mouse reticulum cell sarcoma monocyte macrophage), whole cell lysate

**Lane 3 :** WEHI-231 (mouse B cell lymphoma B lymphocyte), whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Predicted band size:** 46 kDa

**Observed band size:** 60-70 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

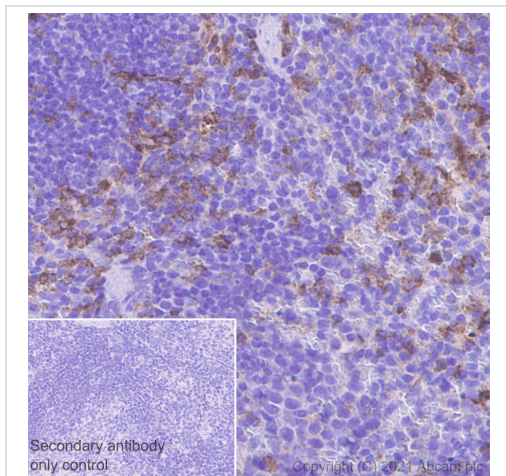
Expression of GMRa is restricted to cells of the myeloid, but not lymphoid (PMID 17694571).

No expression of GMRa is observed in mouse B cell lymphoma B lymphocyte WEHI-231.

The molecular weight observed is consistent with what has been described in the literature (PMID: 18955570).

Samples are non-boiled as boiling may cause protein aggregates.

Exposure time: 3 minutes.

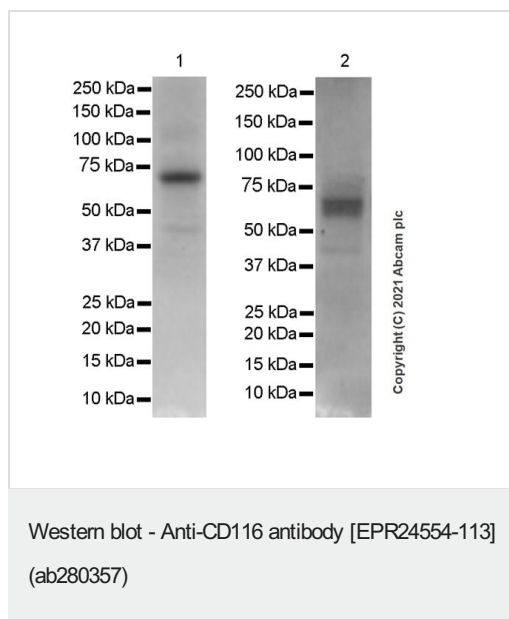


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD116 antibody [EPR24554-113] (ab280357)

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling CD116 with ab280357 at 1/100 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). Positive staining in mouse spleen. The section was incubated with ab280357 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 Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)).

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



**All lanes :** Anti-CD116 antibody [EPR24554-113] (ab280357) at 1/1000 dilution

**Lane 1 :** Mouse lung tissue lysate

**Lane 2 :** Mouse spleen tissue lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 46 kDa

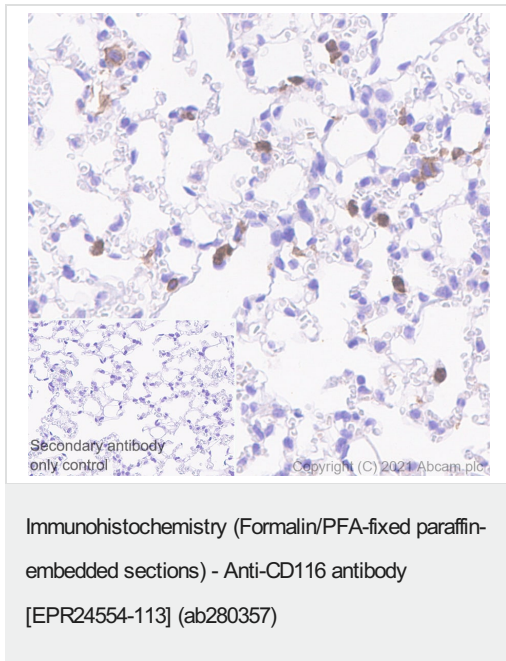
**Observed band size:** 60-70 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Samples are non-boiled as boiling may cause protein aggregates.

This blot was developed using a higher sensitivity ECL substrate.

Exposure time: Lane 1: 80 seconds Lane 2: 3 minutes.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue labeling CD116 with ab280357 at 1/100 dilution followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Sporadic positive staining in mouse lung. The section was incubated with ab280357 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 Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

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

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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