

# Anti-CD16 + CD32 antibody [EPR22345] ab228971

リコンビナント RabMAb

★★★★★ [1 Abreviews](#) [2 References](#) [画像数 5](#)

### 製品の概要

製品名	Anti-CD16 + CD32 antibody [EPR22345]
製品の詳細	Rabbit monoclonal [EPR22345] to CD16 + CD32
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 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: Mouse spleen, liver and thymus lysate. His-tagged mouse CD16 recombinant protein(aa31-215) and His-tagged mouse CD32 recombinant protein (aa30-210). J774A.1 whole cell lysate. IHC-P: Mouse liver and colon tissue.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p>

### 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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 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	EPR22345

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ab228971の使用に適用されず  
 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。

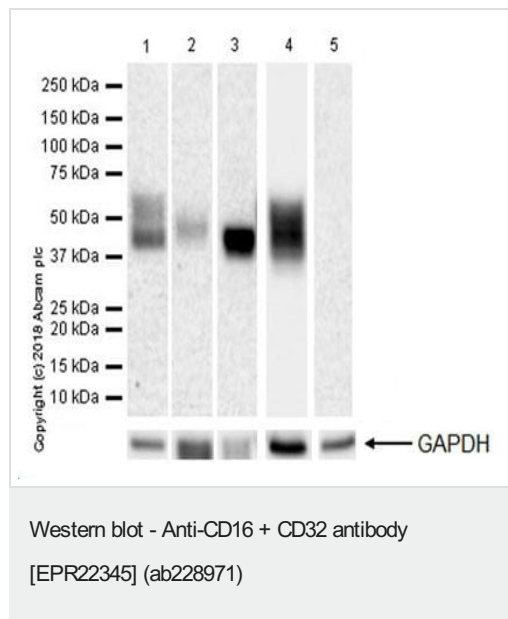
アプリケーション	Abreviews	特記事項
WB		1/1000. Predicted molecular weight: 29 kDa.
IHC-P	★★★★★ (1)	1/4000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

**追加情報** Is unsuitable for Flow Cyt, ICC/IF or IP.

ターゲット情報

**細胞内局在** CD16: Cell membrane. Secreted. Exists also as a soluble receptor. CD32: Cell membrane.

画像



**All lanes** : Anti-CD16 + CD32 antibody [EPR22345] (ab228971)  
 at 1/1000 dilution

- Lane 1** : Mouse spleen lysate
- Lane 2** : Mouse thymus lysate
- Lane 3** : Mouse liver lysate
- Lane 4** : J774A.1 (mouse reticulum cell sarcoma macrophage) whole cell lysate
- Lane 5** : bEnd.3 (mouse brain endothelioma) whole cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at  
 1/100000 dilution

**Predicted band size:** 29 kDa

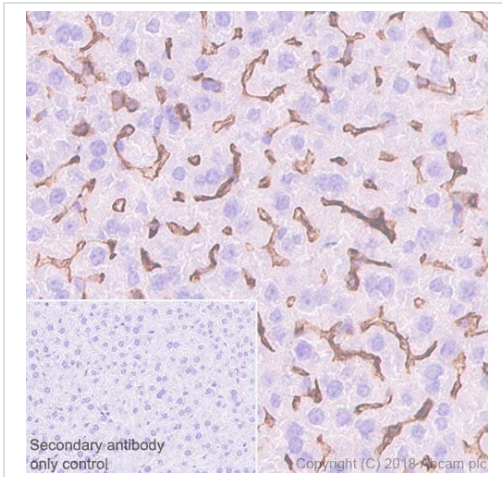
**Observed band size:** 30-55 kDa

Blocking/Diluting buffer and concentration: 5% NFDm/TBST

Exposure time:  
Lanes 1,2,3 and 5: 3 minutes;  
Lanes 4: 15 seconds.

Bands between 30-55 KD are likely to be glycosylated forms of CD16 and CD32 (PMID: 9378972, PMID: 19503602).

Negative control: bEnd.3 (PMID: 23911392)

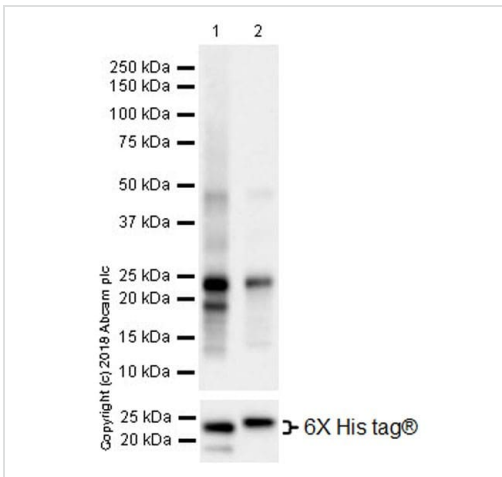


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 + CD32 antibody [EPR22345] (ab228971)

Immunohistochemical analysis of paraffin-embedded mouse liver tissue labeling CD16 with ab228971 at 1/4,000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Cytoplasmic staining on Kupffer cells and sinusoidal cells of mouse liver (PMID:26512139) is observed. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).



Western blot - Anti-CD16 + CD32 antibody [EPR22345] (ab228971)

**All lanes** : Anti-CD16 + CD32 antibody [EPR22345] (ab228971) at 1/1000 dilution

**Lane 1** : His-tagged mouse CD16 recombinant protein (aa31-215), 20 ng

**Lane 2** : His-tagged mouse CD32 recombinant protein (aa30-210), 20 ng

### Secondary

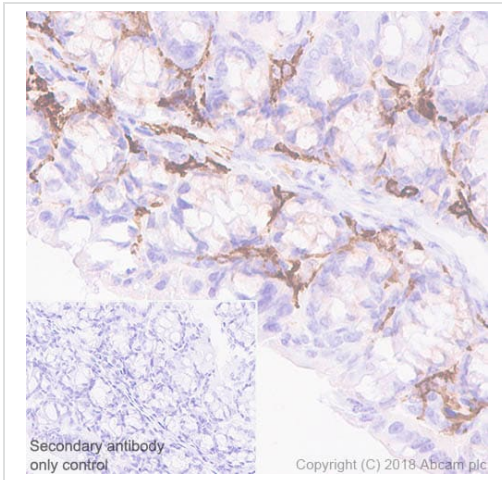
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

**Predicted band size:** 29 kDa

**Observed band size:** 21 kDa

**Exposure time:** 6 seconds

Blocking/Dilution buffer: 5% NFD/MTBST.




Immunohistochemical analysis of paraffin-embedded mouse colon tissue labeling CD16 with ab228971 at 1/4,000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Cytoplasmic staining on stromal cells in mouse colon (PMID:26512139) is observed. Counterstained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD16 + CD32 antibody [EPR22345] (ab228971)

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>

Anti-CD16 + CD32 antibody [EPR22345] (ab228971)

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors