

# Anti-DAP12 antibody [EPR24244-76] ab283679

リコンビナント **RabMAb**

## 2 References [画像数 11](#)

### 製品の概要

製品名	Anti-DAP12 antibody [EPR24244-76]
製品の詳細	Rabbit monoclonal [EPR24244-76] to DAP12
由来種	Rabbit
アプリケーション	<b>適用あり:</b> ICC/IF, IHC-P, IP, Flow Cyt (Intra), WB <b>適用なし:</b> IHC-Fr
種交差性	<b>交差種:</b> Mouse, Rat
免疫原	Synthetic peptide. 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 N9 whole cell lysate; Rat spleen tissue lysate. IHC-P: Mouse spleen, Rat lung, Mouse liver and Rat liver tissues. ICC/IF: RAW264.7 cells. Flow Cyt (Intra): Mouse blood cells. IP: RAW264.7 cell.
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. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% 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	EPR24244-76

## 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ab283679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
ICC/IF		1/50.
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		1/30.
Flow Cyt (Intra)		1/50.
WB		1/1000. Predicted molecular weight: 12 kDa.

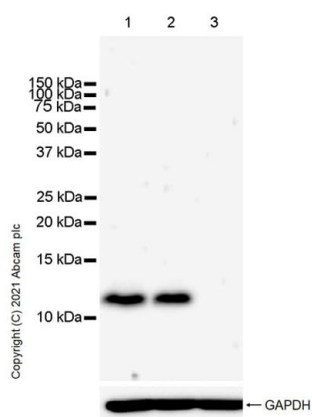
## 追加情報

Is unsuitable for IHC-Fr.

## ターゲット情報

機能	Non-covalently associates with activating receptors of the CD300 family. Cross-linking of CD300-TYROBP complexes results in cellular activation.
組織特異性	Expressed at low levels in the early development of the hematopoietic system and in the promonocytic stage and at high levels in mature monocytes. Expressed in hematological cells and tissues such as peripheral blood leukocytes and spleen. Also found in bone marrow, lymph nodes, placenta, lung and liver. Expressed at lower levels in different parts of the brain especially in the basal ganglia and corpus callosum.
関連疾患	Defects in TYROBP are a cause of polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy (PLOS) [MIM:221770]; also called presenile dementia with bone cysts or Nasu-Hakola disease (NHD). PLOS is a recessively inherited disease characterized by a combination of psychotic symptoms rapidly progressing to presenile dementia and bone cysts restricted to wrists and ankles. PLOS has a global distribution, although most of the patients have been diagnosed in Finland and Japan, with an estimated population prevalence of 2x10 <sup>-6</sup> in the Finns.
配列類似性	Belongs to the TYROBP family.
翻訳後修飾	Tyrosine phosphorylated.
細胞内局在	Membrane.

## 画像



Western blot - Anti-DAP12 antibody [EPR24244-76] (ab283679)

**All lanes :** Anti-DAP12 antibody [EPR24244-76] (ab283679) at 1/1000 dilution

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

**Lane 2 :** N9 (mouse microglia), whole cell lysate

**Lane 3 :** M1 (mouse myeloid leukemia myeloblast), whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

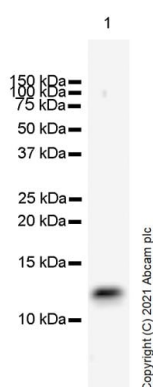
**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/100000 dilution

**Predicted band size:** 12 kDa

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

**Negative control:** M1 (PMID: 11034384).

Exposure time: 114 seconds



Western blot - Anti-DAP12 antibody [EPR24244-76] (ab283679)

Anti-DAP12 antibody [EPR24244-76] (ab283679) at 1/1000 dilution + Rat spleen tissue lysate at 20 µg

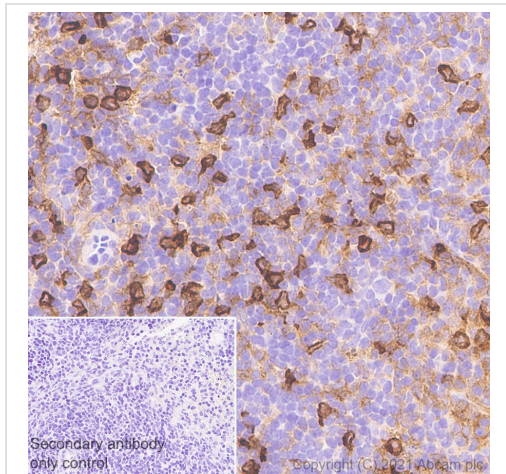
### Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/100000 dilution

**Predicted band size:** 12 kDa

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

Exposure time: 3 minutes

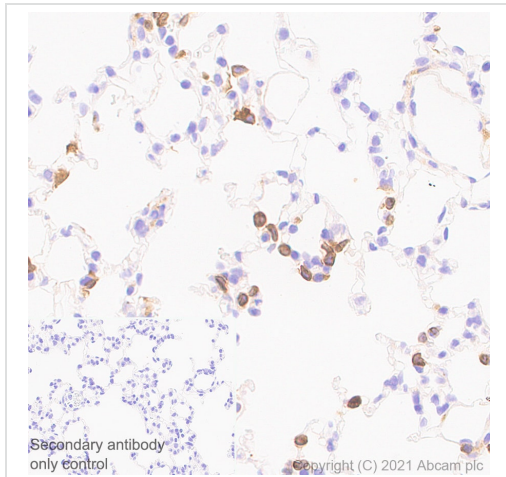


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DAP12 antibody [EPR24244-76] (ab283679)

Immunohistochemical analysis of paraffin-embedded Mouse spleen tissue labelling DAP12 with ab283679 at 1/2000 (0.232 ug/ml) dilution followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on mouse spleen. The section was incubated with ab283679 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).

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

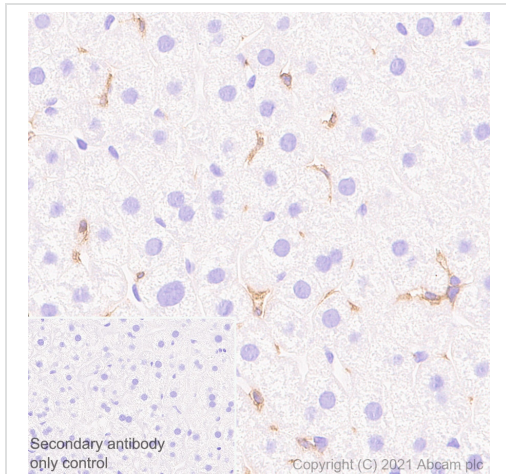


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DAP12 antibody [EPR24244-76] (ab283679)

Immunohistochemical analysis of paraffin-embedded Rat lung tissue labelling DAP12 with ab283679 at 1/2000 (0.232 ug/ml) dilution followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on rat lung. The section was incubated with ab283679 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).

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

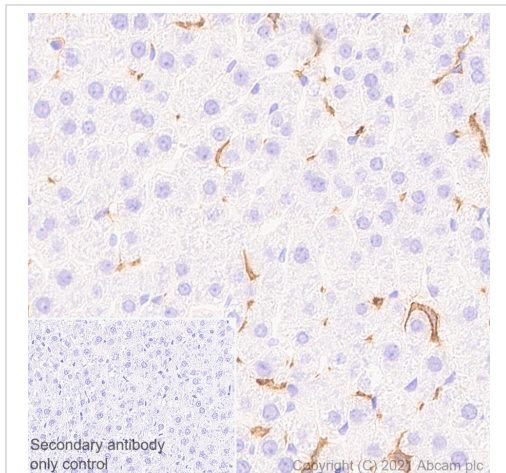


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DAP12 antibody [EPR24244-76] (ab283679)

Immunohistochemical analysis of paraffin-embedded Mouse liver tissue labelling DAP12 with ab283679 at 1/2000 (0.232 ug/ml) dilution followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on kupffer cells of mouse liver. The section was incubated with ab283679 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).

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



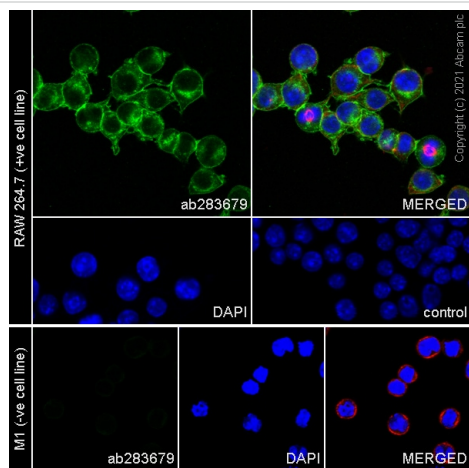
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DAP12 antibody [EPR24244-76] (ab283679)

Immunohistochemical analysis of paraffin-embedded Rat liver tissue labelling DAP12 with ab283679 at 1/2000 (0.232 ug/ml) dilution followed by a ready to use LeicaDS9800 (Bond™ Polymer Refine Detection). Positive staining on kupffer cells of rat liver. The section was incubated with ab283679 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).

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





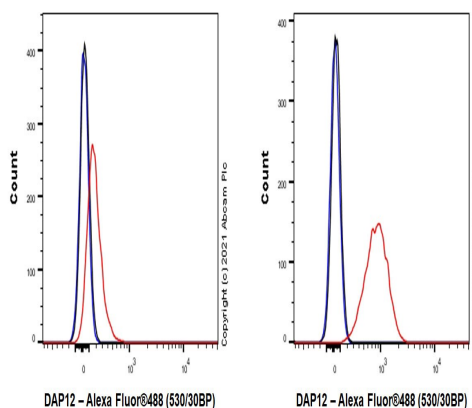
Immunocytochemistry/ Immunofluorescence - Anti-DAP12 antibody [EPR24244-76] (ab283679)

Immunofluorescent analysis of 100% methanol-fixed, 0.1% TritonX-100 permeabilized RAW264.7 cells labelling DAP12 with ab283679 at 1/50 (9.28 ug/ml) dilution, followed by **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed antibody at 1/1000 (2 ug/ml) dilution (Green). Confocal image showing cytoplasmic and membranous staining in RAW 264.7 cell line.

**ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 (2.5 ug/ml) dilution (Red). The Nuclear counterstain was DAPI (Blue).

**Negative control:** M1 (PMID: 11034384).

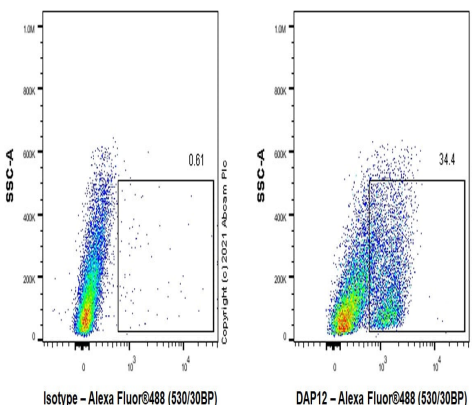
Secondary antibody only control: Secondary antibody is **ab150081** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 (2 ug/ml) dilution.



Flow Cytometry (Intracellular) - Anti-DAP12 antibody [EPR24244-76] (ab283679)

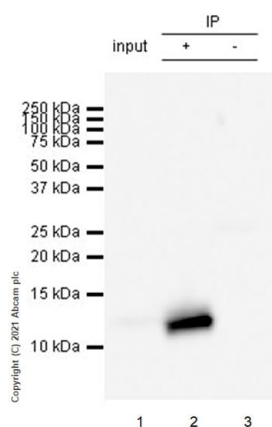
Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized M1 (mouse myeloid leukemia myeloblast) (Left), RAW264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) (Right) cells labelling DAP12 with ab283679 at 1/500 dilution (0.1ug)(Red) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat F(ab')<sub>2</sub> Anti-Rabbit IgG(DyLight® 488, **ab98507**) at 1/500 dilution was used as the secondary antibody.

**Negative control:** M1 (PMID: 11034384).



Flow Cytometry (Intracellular) - Anti-DAP12 antibody [EPR24244-76] (ab283679)

Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized Mouse blood cells cells labelling DAP12 with ab283679 at 1/50 dilution (1ug) (Right) compared with a Rabbit monoclonal IgG (**ab172730**) (Left) isotype control. A Goat F(ab')<sub>2</sub> Anti-Rabbit IgG(DyLight® 488, **ab98507**) at 1/500 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-DAP12 antibody  
[EPR24244-76] (ab283679)

DAP12 was immunoprecipitated from 0.35 mg RAW264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate 10 ug with ab283679 at 1/30 dilution (2ug in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab283679 at 1/1000 dilution. VeriBlot for IP secondary antibody(HRP)([ab131366](#)) was used at 1/5000 dilution.

**Lane 1:** RAW264.7 whole cell lysate 10 ug

**Lane 2:** ab283679 IP in RAW264.7 whole cell lysate

**Lane 3:** Rabbit monoclonal IgG ([ab172730](#)) instead of ab283679 in RAW264.7 whole cell lysate

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

Exposure time: 5.5 seconds

### 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-DAP12 antibody [EPR24244-76] (ab283679)

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