

# Anti-Alpha 1 microglobulin antibody [EPR5880] ab129059

リコンビナント RabMAb<sup>®</sup>

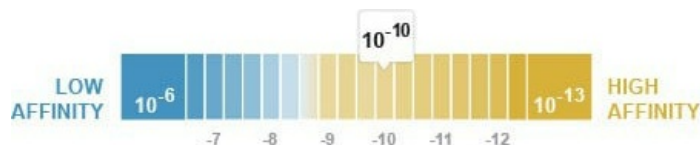
## 2 References [画像数 2](#)

### 製品の概要

製品名	Anti-Alpha 1 microglobulin antibody [EPR5880]
製品の詳細	Rabbit monoclonal [EPR5880] to Alpha 1 microglobulin
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB <b>適用なし:</b> IHC-P or IP
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide within Human Alpha 1 microglobulin aa 50-150. The exact sequence is proprietary.
ポジティブ・コントロール	WB: Human plasma lysate
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> <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>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解離定数 (K <sub>D</sub> 値)	K <sub>D</sub> = 1.17 x 10 <sup>-10</sup> M



## Learn more about K<sub>D</sub>

バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR5880
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ab129059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。

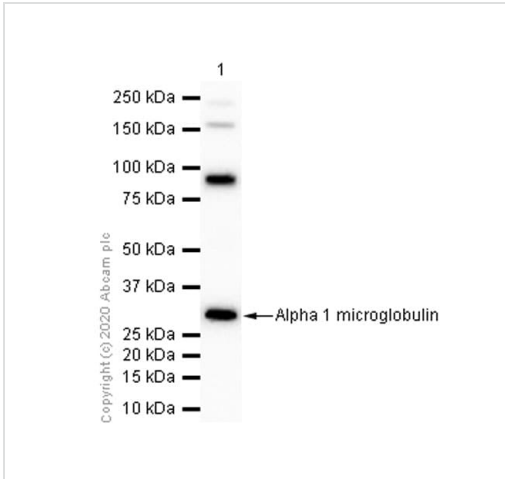
アプリケーション	Abreviews	特記事項
WB		1/1000. Detects a band of approximately 31 kDa (predicted molecular weight: 39 kDa).

**追加情報**      Is unsuitable for IHC-P or IP.

### ターゲット情報

<b>機能</b>	Inter-alpha-trypsin inhibitor inhibits trypsin, plasmin, and lysosomal granulocytic elastase. Inhibits calcium oxalate crystallization. Trypstatin is a trypsin inhibitor.
<b>組織特異性</b>	Expressed by the liver and secreted in plasma. Alpha-1-microglobulin occurs in many physiological fluids including plasma, urine, and cerebrospinal fluid. Inter-alpha-trypsin inhibitor is present in plasma and urine.
<b>配列類似性</b>	In the N-terminal section; belongs to the calycin superfamily. Lipocalin family. Contains 2 BPTI/Kunitz inhibitor domains.
<b>翻訳後修飾</b>	The precursor is proteolytically processed into separately functioning proteins. 3-hydroxykynurenine, an oxidized tryptophan metabolite that is common in biological fluids, reacts with Cys-53, Lys-111, Lys-137, and Lys-149 to form heterogeneous polycyclic chromophores including hydroxanthommatin. The reaction by alpha-1-microglobulin is autocatalytic; the human protein forms chromophore even when expressed in insect and bacterial cells. The chromophore can react with accessible cysteines forming non-reducible thioether cross-links with other molecules of alpha-1-microglobulin or with other proteins such as Ig alpha-1 chain C region 'Cys-352'. Heavy chains are interlinked with bikunin via a chondroitin 4-sulfate bridge to the their C-terminal aspartate. Addition of glycosaminoglycan chondroitin sulfate, allows cross-linking between the different components.
<b>細胞内局在</b>	Secreted.

### 画像



Western blot - Anti-Alpha 1 microglobulin antibody [EPR5880] (ab129059)

Anti-Alpha 1 microglobulin antibody [EPR5880] (ab129059) at 1/1000 dilution (Purified) + Human plasma lysate at 15 µg

**Secondary**

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

**Predicted band size:** 39 kDa

**Observed band size:** 26 kDa

The molecule weight observed is consistent with what has been described in the literature (PMID: 33607500, 25698971).

We are unsure about the nature of 75kDa band.

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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