

## Product datasheet

# Anti-Apg3 antibody [EPR4802] ab108282

リコンビナント RabMAb®

1 References 画像数 2

### 製品の概要

製品名	Anti-Apg3 antibody [EPR4802]
製品の詳細	Rabbit monoclonal [EPR4802] to Apg3
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IP, Flow Cyt <b>適用なし:</b> ICC/IF or IHC-P
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	A synthetic peptide corresponding to residues on the C terminal in Human Apg3
ポジティブ・コントロール	K562, HeLa or Jurkat cell lysates (WB) Permeabilized Jurkat cells (FC)
特記事項	This product is a recombinant rabbit monoclonal antibody. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb® patents</a>

### 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.
バッファー	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EPR4802
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab108282** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

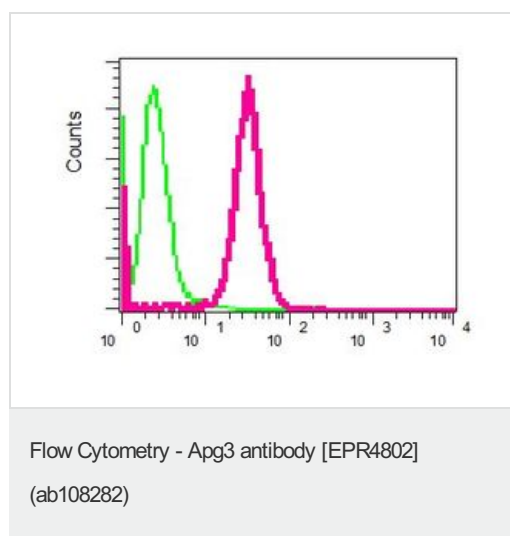
アプリケーション	Abreviews	特記事項
WB		1/1000 - 1/10000. Detects a band of approximately 40 kDa (predicted molecular weight: 36 kDa).
IP		1/10 - 1/100.
Flow Cyt		1/10 - 1/100. <a href="#">ab172730</a> -Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

**追加情報** Is unsuitable for ICC/IF or IHC-P.

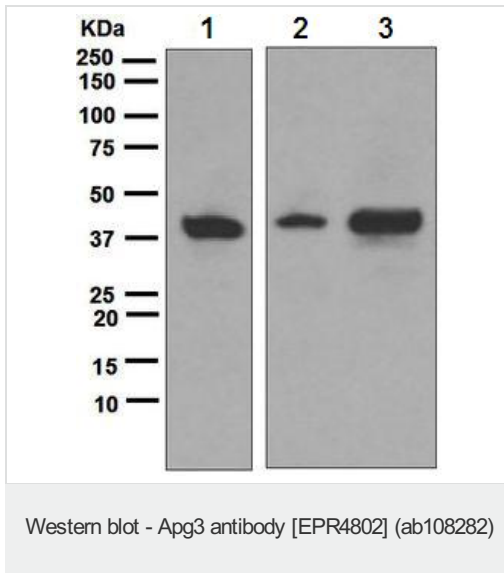
## ターゲット情報

<b>機能</b>	E2-like enzyme involved in autophagy and mitochondrial homeostasis. Catalyzes the conjugation of ATG8-like proteins (GABARAP, GABARAPL1, GABARAPL2 or MAP1LC3A) to phosphatidylethanolamine (PE). PE-conjugation to ATG8-like proteins is essential for autophagy. Preferred substrate is MAP1LC3A. Also acts as an autocatalytic E2-like enzyme, catalyzing the conjugation of ATG12 to itself, ATG12 conjugation to ATG3 playing a role in mitochondrial homeostasis but not in autophagy. ATG7 (E1-like enzyme) facilitates this reaction by forming an E1-E2 complex with ATG3.
<b>組織特異性</b>	Widely expressed, with a highest expression in heart, skeletal muscle, kidney, liver and placenta.
<b>配列類似性</b>	Belongs to the ATG3 family.
<b>翻訳後修飾</b>	Conjugated to ATG12 at Lys-243. ATG12-conjugation plays a role in regulation of mitochondrial homeostasis and cell death, while it is not involved in PE-conjugation to ATG8-like proteins and autophagy.
<b>細胞内局在</b>	Cytoplasm.

## 画像



Flow cytometric analysis of permeabilized Jurkat cells using ab108282 at 1/10 (red) or a rabbit IgG (negative) (green).



**All lanes :** Anti-Apg3 antibody [EPR4802] (ab108282) at 1/1000 dilution

**Lane 1 :** K562 cell lysate

**Lane 2 :** HeLa cell lysate

**Lane 3 :** Jurkat cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 36 kDa

**Observed band size:** 40 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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