

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 |
| アプリケーション | 適用あり: WB, IP, Flow Cyt 適用なし: ICC/IF or IHC-P |
| 種交差性 | 交差種: 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 RabMAb® patents |

製品の特性

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| 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.

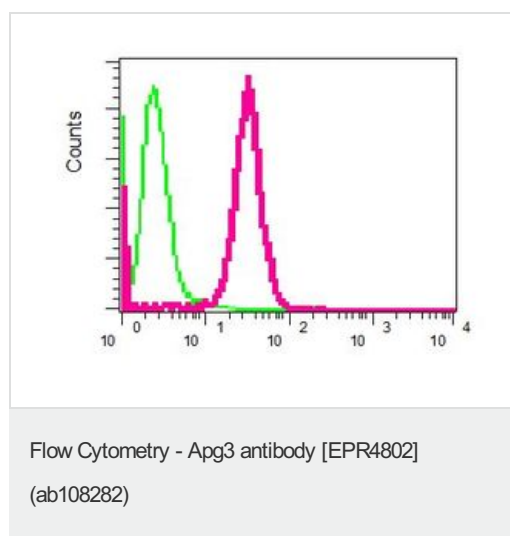
| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|--|
| WB | | 1/1000 - 1/10000. Detects a band of approximately 40 kDa (predicted molecular weight: 36 kDa). |
| IP | | 1/10 - 1/100. |
| Flow Cyt | | 1/10 - 1/100. ab172730 -Rabbit monoclonal IgG, is suitable for use as an isotype control with this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

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

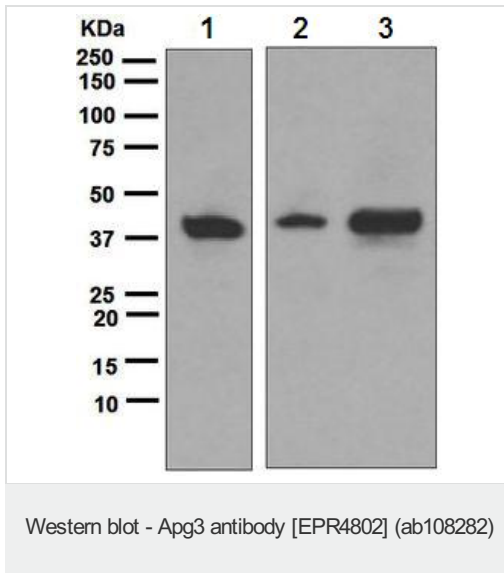
ターゲット情報

| | |
|--------------|---|
| 機能 | 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. |
| 組織特異性 | Widely expressed, with a highest expression in heart, skeletal muscle, kidney, liver and placenta. |
| 配列類似性 | Belongs to the ATG3 family. |
| 翻訳後修飾 | 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. |
| 細胞内局在 | 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

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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