

Product datasheet

Anti-ATG4A antibody [EPR4122] ab108322

リコンビナント RabMAb®

画像数 3

製品の概要

製品名	Anti-ATG4A antibody [EPR4122]
製品の詳細	Rabbit monoclonal [EPR4122] to ATG4A
由来種	Rabbit
アプリケーション	適用あり: WB, IP, IHC-P 適用なし: Flow Cyt or ICC
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human ATG4A. The exact sequence is proprietary.
ポジティブ・コントロール	Fetal liver, HepG2, Jurkat and fetal brain lysates. Human brain tissue and Human skeletal muscle tissue.

特記事項

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb® patents](#)

This product is a recombinant rabbit monoclonal antibody.

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	EPR4122
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab108322** 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. Predicted molecular weight: 45 kDa.
IP		1/10 - 1/100.
IHC-P		1/100 - 1/250. Perform antigen retrieval.

追加情報 Is unsuitable for Flow Cyt or ICC.

ターゲット情報

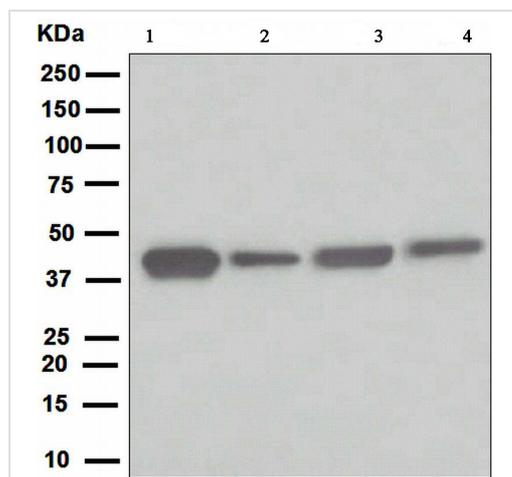
機能 Cysteine protease required for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form (form II). Form II, with a revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes. Preferred substrate is GABARAPL2 followed by MAP1LC3A and GABARAP.

組織特異性 Widely expressed, at a low level, and the highest expression is observed in skeletal muscle and brain. Also detected in fetal liver.

配列類似性 Belongs to the peptidase C54 family.

細胞内局在 Cytoplasm.

画像



Western blot - Anti-ATG4A antibody [EPR4122]
(ab108322)

All lanes : Anti-ATG4A antibody [EPR4122]
(ab108322) at 1/1000 dilution

Lane 1 : Fetal liver lysate

Lane 2 : HepG2 lysate

Lane 3 : Jurkat lysate

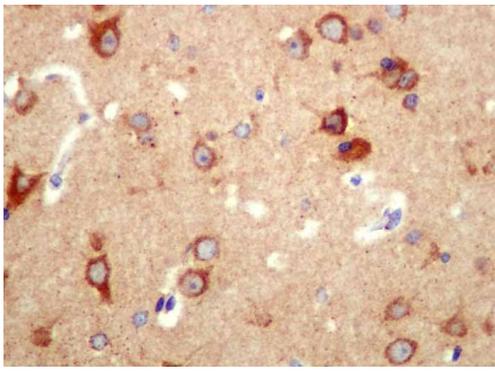
Lane 4 : Fetal brain lysate

Lysates/proteins at 10 µg per lane.

Secondary

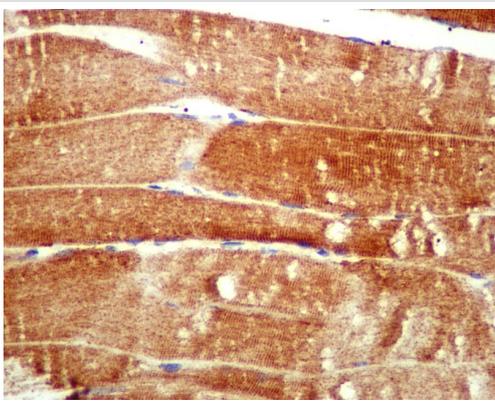
All lanes : Standard HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 45 kDa



Immunohistochemical analysis of paraffin-embedded Human brain tissue using ab108322 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATG4A antibody [EPR4122] (ab108322)



Immunohistochemical analysis of paraffin-embedded Human skeletal muscle tissue using ab108322 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ATG4A antibody [EPR4122] (ab108322)

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

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