abcam

Product datasheet

Anti-KIAA0652/ATG13 antibody [EPR19601] ab201467

重组 RabMAb

8 References 7 图像

概述

产品名称	Anti-KIAA0652/ATG13抗体[EPR19601]
描述	兔单克隆抗体[EPR19601] to KIAA0652/ATG13
宿主	Rabbit
经测试应用	**适用于:** Flow Cyt (Intra), WB, IP
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: HeLa, MCF7, A29, A-673, C6, RAW 264.7, PC-12 and NIH/3T3 whole cell lysates; human cerebellum and hippocampus lysates; mouse and rat brain lysates; HeLa cytoplasmic fraction lysate. Flow Cyt (intra): HeLa cells. IP: HeLa whole cell lysate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR19601

同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab201467于以下的经测试应用**

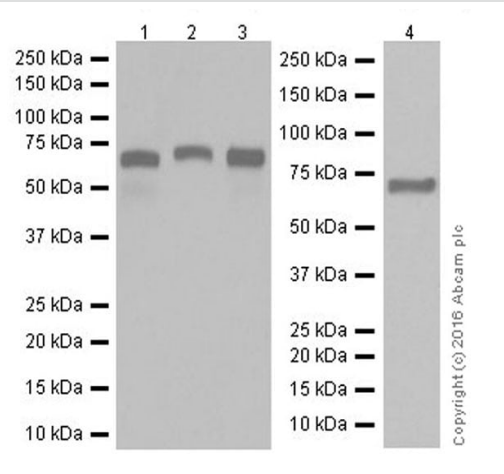
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/60.
WB		1/1000. Detects a band of approximately 70 kDa (predicted molecular weight: 56 kDa).
IP		1/30.

靶标

功能	Autophagy factor required for autophagosome formation. Target of the TOR kinase signaling pathway that regulates autophagy through the control of the phosphorylation status of ATG13 and ULK1, and the regulation of the ATG13-ULK1-RB1CC1 complex.
序列相似性	Belongs to the ATG13 metazoan family.
翻译后修饰	Phosphorylated by ULK1 and ULK2. Phosphorylation status depends on nutrient-rich conditions; dephosphorylated during starvation or following treatment with rapamycin.
细胞定位	Cytoplasm > cytosol. Preautophagosomal structure. Under starvation conditions, is localized to puncate structures primarily representing the isolation membrane and the isolation membrane sequesters a portion of the cytoplasm resulting in autophagosome formation.

图片



Western blot - Anti-KIAA0652/ATG13 antibody [EPR19601] (ab201467)

All lanes : Anti-KIAA0652/ATG13 antibody [EPR19601] (ab201467) at 1/1000 dilution

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate at 20 µg
Lane 2 : MCF7 (Human breast adenocarcinoma cell line) whole cell lysate at 20 µg
Lane 3 : A20 (Mouse reticulum sarcoma cell line) whole cell lysate at 20 µg
Lane 4 : A-673 (Human muscle Ewing's Sarcoma cell line) whole cell lysate at 10 µg

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at

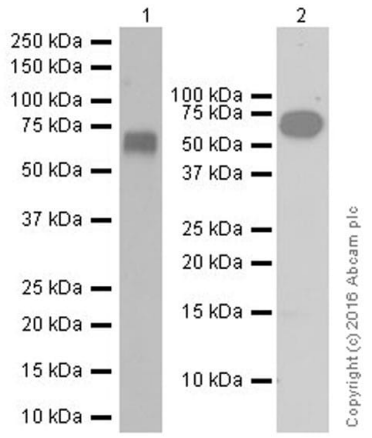
1/100000 dilution

Predicted band size: 56 kDa
Observed band size: 70 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lane 1-3: 30 seconds; Lane 4: 3 minutes.

The molecular weight observed is consistent with what has been described in the literature (PMID:18936157).



Western blot - Anti-KIAA0652/ATG13 antibody [EPR19601] (ab201467)

All lanes : Anti-KIAA0652/ATG13 antibody [EPR19601] (ab201467) at 1/1000 dilution

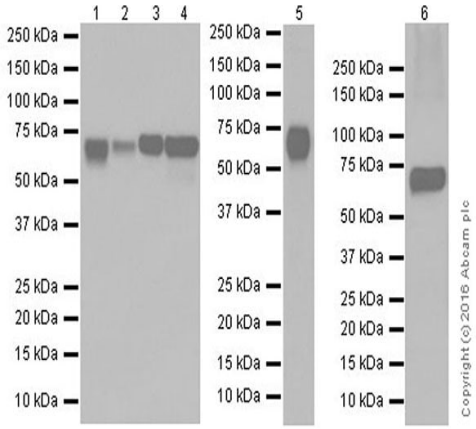
Lane 1 : Human cerebellum lysate at 20 µg
Lane 2 : Human hippocampus lysate at 10 µg

Secondary
All lanes : Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

Predicted band size: 56 kDa
Observed band size: 70 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-KIAA0652/ATG13 antibody [EPR19601] (ab201467)

All lanes : Anti-KIAA0652/ATG13 antibody [EPR19601] (ab201467) at 1/1000 dilution

Lane 1 : C6 (Rat glial tumor cell line) whole cell lysate
Lane 2 : RAW 264.7 (Mouse macrophage cell line transformed with Abelson murine leukemia virus) whole cell lysate
Lane 3 : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate
Lane 4 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate
Lane 5 : Mouse brain tissue lysate
Lane 6 : Rat brain tissue lysate

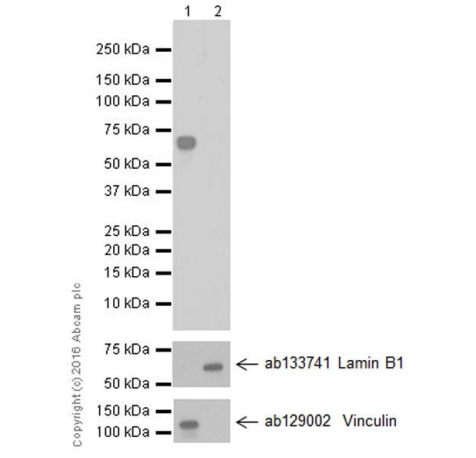
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 56 kDa
Observed band size: 70 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-KIAA0652/ATG13 antibody [EPR19601] (ab201467)

All lanes : Anti-KIAA0652/ATG13 antibody [EPR19601] (ab201467) at 1/1000 dilution

Lane 1 : HeLa (Human epithelial cell line from cervix adenocarcinoma) cytoplasmic fraction lysate
Lane 2 : HeLa (Human epithelial cell line from cervix adenocarcinoma) nuclear fraction lysate

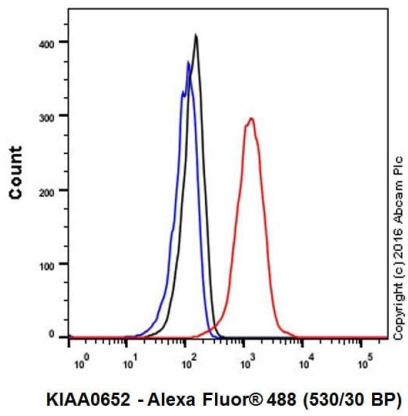
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 56 kDa
Observed band size: 70 kDa

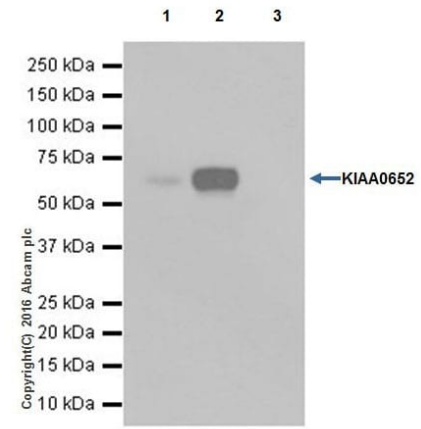
Exposure time: 15 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Flow Cytometry (Intracellular) - Anti-KIAA0652/ATG13 antibody [EPR19601] (ab201467)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling KIAA0652/ATG13 with ab201467 at 1/60 dilution (red) compared with a rabbit monoclonal IgG isotype control (**ab172730**; black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat Anti-Rabbit IgG (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody.



Immunoprecipitation - Anti-KIAA0652/ATG13 antibody [EPR19601] (ab201467)

KIAA0652/ATG13 was immunoprecipitated from 0.35 mg of HeLa (Human epithelial cell line from cervix adenocarcinoma) whole cell lysate with ab201467 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab201467 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10000 dilution.

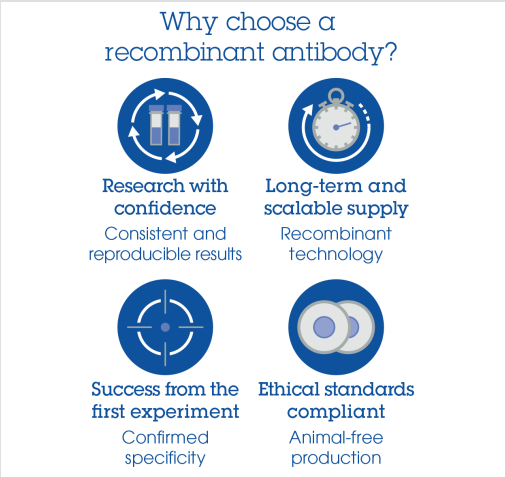
Lane 1: HeLa whole cell lysate 10µg (Input).

Lane 2: ab201467 IP in HeLa whole cell lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab201467 in HeLa whole cell lysate.

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

Exposure time: 30 seconds.



Anti-KIAA0652/ATG13 antibody [EPR19601]

(ab201467)

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