abcam

Product datasheet

Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] ab204129

重组 RabMAb

9 图像

概述

产品名称	Anti-CYFIP2 + CYFIP1抗体[EPR17848-87]
描述	兔单克隆抗体[EPR17848-87] to CYFIP2 + CYFIP1
宿主	Rabbit
经测试应用	**适用于:** IHC-P, WB, ICC/IF, Flow Cyt (Intra)
种属反应性	**与反应:** Mouse, Human
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human CYFIP1 Recombinant protein fragment; Jurkat, HeLa, SW480 and Raw264.7 and Molt4 whole cell lysates; Human fetal kidney and fetal brain cell lysates. IHC-P: Human tonsil tissue. ICC/IF: Jurkat and SW480 cells. Flow Cyt (intra): Jurkat cells.
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, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR17848-87

同种型 IgG

应用

The Abpromise guarantee Abpromise™承诺保证使用ab204129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。

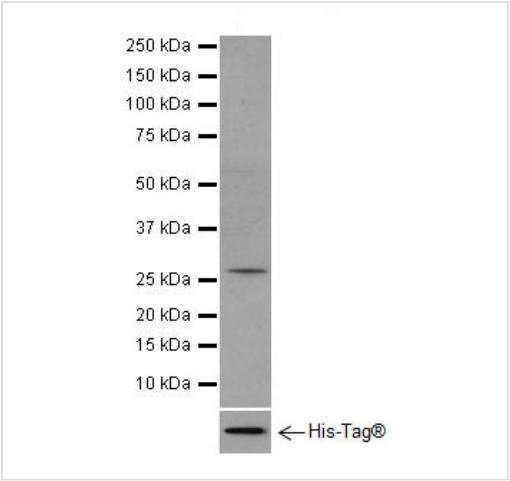
应用	Ab评论	说明
IHC-P		1/300. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 148 kDa (predicted molecular weight: 148 kDa).
ICC/IF		1/150.
Flow Cyt (Intra)		1/150.

靶标

相关性 Component of the CYFIP1-EIF4E-FMR1 complex which binds to the mRNA cap and mediates translational repression. In the CYFIP1-EIF4E-FMR1 complex this subunit is an adapter between EIF4E and FMR1. Promotes the translation repression activity of FMR1 in brain probably by mediating its association with EIF4E and mRNA (By similarity). Regulates formation of membrane ruffles and lamellipodia. Plays a role in axon outgrowth. Binds to F-actin but not to RNA. Part of the WAVE complex that regulates actin filament reorganization via its interaction with the Arp2/3 complex. Actin remodeling activity is regulated by RAC1. Regulator of epithelial morphogenesis. May act as an invasion suppressor in cancers. Involved in T-cell adhesion and p53/TP53-dependent induction of apoptosis. Does not bind RNA.

细胞定位 Cytoplasmic

图片



Western blot - Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] (ab204129)

Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] (ab204129) at 1/50000 dilution + Human CYFIP1 Recombinant protein fragment at 0.01 µg

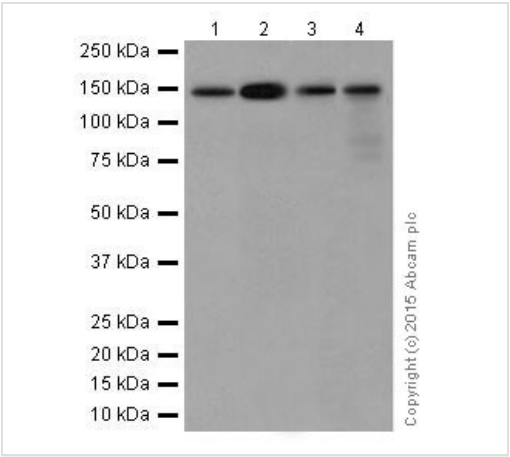
Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

Predicted band size: 148 kDa
Observed band size: 148 kDa

Exposure time: 10 seconds

5% NFDM/TBST: Blocking and diluting buffer.



Western blot - Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] (ab204129)

All lanes : Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] (ab204129) at 1/5000 dilution

Lane 1 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate at 20 µg
Lane 2 : Molt4 (Human lymphoblastic leukemia cell line) whole cell lysate at 20 µg
Lane 3 : Human fetal kidney lysate at 10 µg
Lane 4 : Human fetal brain lysate at 10 µg

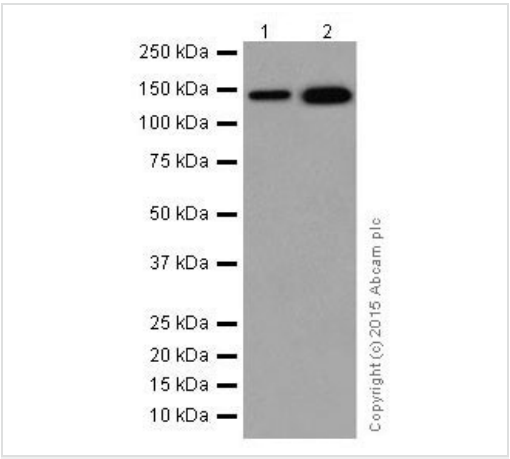
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

Predicted band size: 148 kDa
Observed band size: 148 kDa

Exposure time: 1 second

5% NFDM/TBST: Blocking and diluting buffer.



Western blot - Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] (ab204129)

All lanes : Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] (ab204129) at 1/5000 dilution

Lane 1 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate
Lane 2 : SW480 (Human colon adenocarcinoma cell line) whole cell lysate

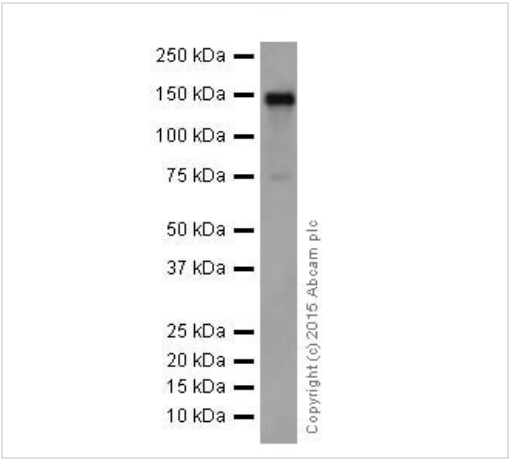
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

Predicted band size: 148 kDa
Observed band size: 148 kDa

Exposure time: 15 seconds

5% NFDM/TBST: Blocking and diluting buffer.



Western blot - Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] (ab204129)

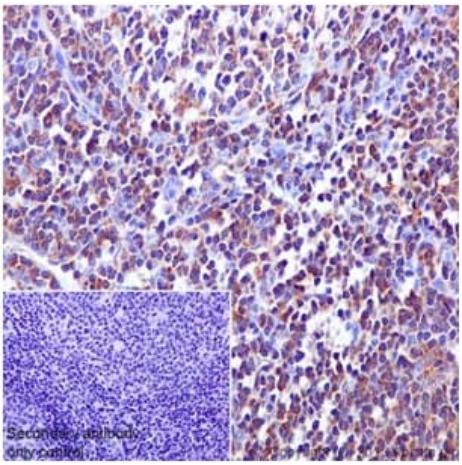
Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] (ab204129) at 1/1000 dilution + RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate at 10 µg

Secondary
Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/50000 dilution

Predicted band size: 148 kDa
Observed band size: 146 kDa

Exposure time: 1 second

5% NFDM/TBST: Blocking and diluting buffer.

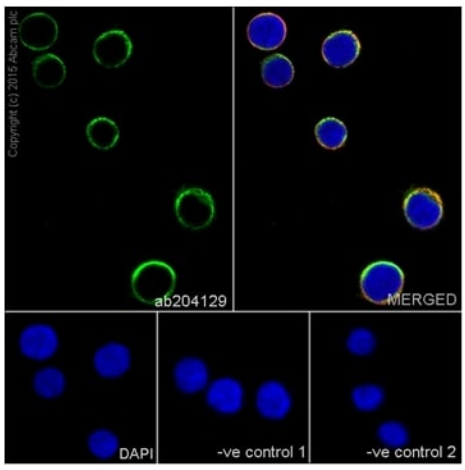


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] (ab204129)

Immunohistochemical analysis of paraffin-embedded Human tonsil labeling CYFIP2 + CYFIP1 with ab204129 at 1/300 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) secondary antibody at 1/500 dilution. Cytoplasmic staining on human tonsil tissue is observed. Counter stained with Hematoxylin.

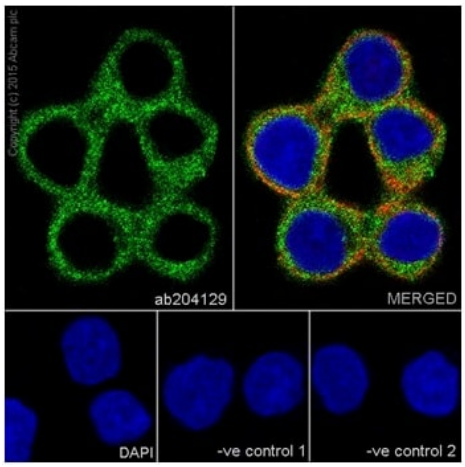
Negative control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



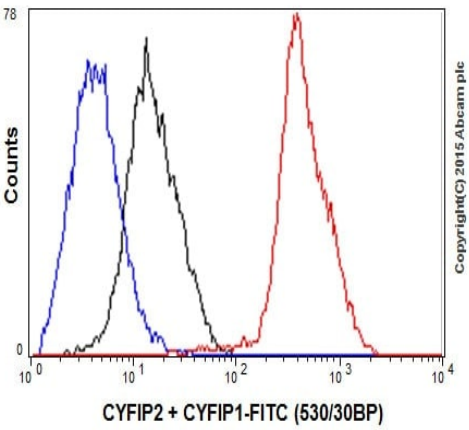
Immunocytochemistry/ Immunofluorescence - Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] (ab204129)

Immunofluorescent analysis of 100% Methanol, 0.1% Triton X-100 permeabilized Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling CYFIP2 + CYFIP1 with ab204129 at 1/150 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on JurKat cell line is observed. The nuclear counter stain is DAPI (blue). Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 dilution (red).
The negative controls are as follows:
1. ab204129 at 1/150 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 dilution.
2. **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/1000 dilution.



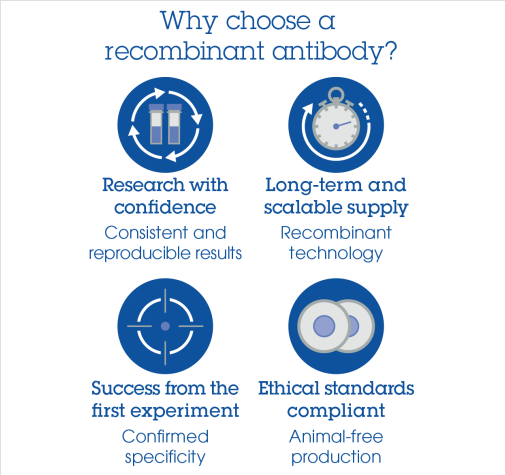
Immunocytochemistry/ Immunofluorescence - Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] (ab204129)

Immunofluorescent analysis of 100% Methanol, 0.1% Triton X-100 permeabilized SW480 (Human colon adenocarcinoma cell line) cells labeling CYFIP2 + CYFIP1 with ab204129 at 1/150 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing cytoplasmic staining on SW480 cell line is observed. The nuclear counter stain is DAPI (blue). Tubulin is detected with **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution and **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 dilution (red).
The negative controls are as follows:
1. ab204129 at 1/150 dilution followed by **ab150120** (AlexaFluor®594 Goat anti-Mouse secondary) at 1/1000 dilution.
2. **ab7291** (anti-Tubulin mouse mAb) at 1/1000 dilution followed by **ab150077** (Alexa Fluor®488 Goat Anti-Rabbit IgG H&L) at 1/1000 dilution.



Flow Cytometry (Intracellular) - Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87] (ab204129)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling CYFIP2 + CYFIP1 with ab204129 at 1/150 dilution (red) compared with a rabbit monoclonal IgG isotype control (black) and a unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (FITC) at 1/500 dilution was used as the secondary antibody.



Anti-CYFIP2 + CYFIP1 antibody [EPR17848-87]

(ab204129)

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