

Anti-eIF4E antibody [Y449] ab33768

重组 RabMAb

★★★★★ **8 Abreviews** **2 References** **8 图像**

概述

产品名称	Anti-eIF4E抗体[Y449]
描述	兔单克隆抗体[Y449] to eIF4E
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), ICC/IF, WB, IHC-P, IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human eIF4E aa 150-250. The exact sequence is proprietary.
阳性对照	WB: HEK-293, HepG2, NIH/3T3, RAW 264.7, and C6 cell lysates; IHC-P: Human ovarian cancer tissue. Mouse and rat testis tissues; ICC/IF: RAW 264.7 cells; Flow Cyt (intra): HEK293 cells; IP: NIH/3T3 cell lysate.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	Y449

同种型IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab33768于以下的经测试应用

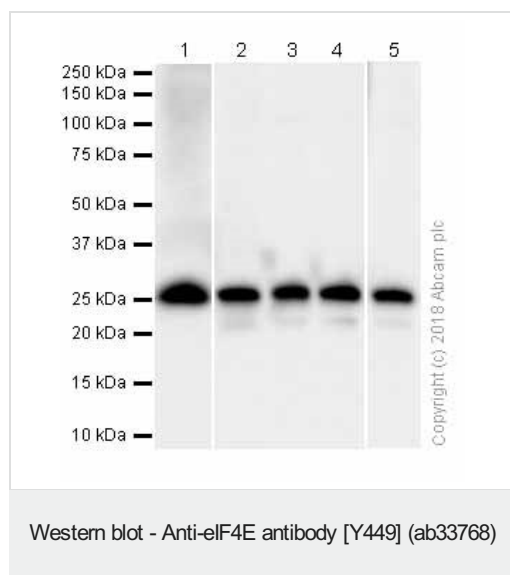
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/50. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		Use at an assay dependent concentration.
WB	★★★★★ (7)	1/1000. Detects a band of approximately 30 kDa (predicted molecular weight: 25 kDa). For unpurified use at 1/5000 - 1/20000.
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See IHC antigen retrieval protocols .
IP		1/30.

靶标

功能	Its translation stimulation activity is repressed by binding to the complex CYFIP1-FMR1 (By similarity). Recognizes and binds the 7-methylguanosine-containing mRNA cap during an early step in the initiation of protein synthesis and facilitates ribosome binding by inducing the unwinding of the mRNAs secondary structures. 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 mediates the binding to the mRNA cap.
序列相似性	Belongs to the eukaryotic initiation factor 4E family.
翻译后修饰	Phosphorylation increases the ability of the protein to bind to mRNA caps and to form the eIF4F complex.

图片



All lanes : Anti-eIF4E antibody [Y449] (ab33768) at 1/1000 dilution

Lane 1 : HEK-293 (Human embryonic kidney epithelial cell) whole cell lysate

Lane 2 : HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysate

Lane 3 : NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate

Lane 4 : RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

Lane 5 : C6 (Rat glial tumor glial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 25 kDa

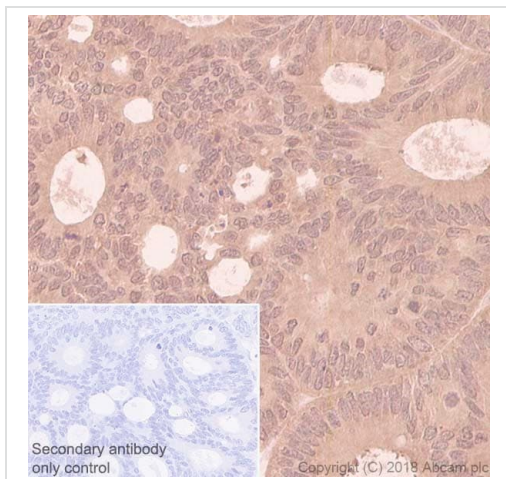
Observed band size: 28 kDa

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time:

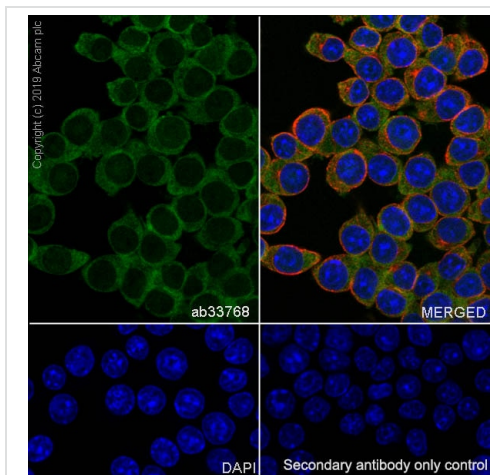
Lane 1: 20 seconds.

Lanes 2-5: 8 seconds.



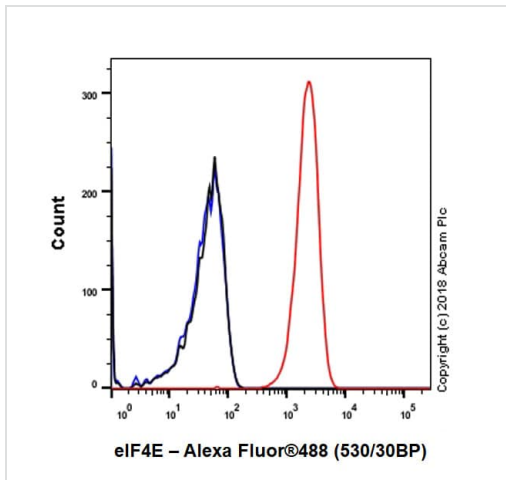
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF4E antibody [Y449] (ab33768)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian cancer tissue labelling eIF4E with ab33768 at a dilution of 1/500. Antigen retrieval was performed **ab93684**, Tris/EDTA buffer, pH 9. A ready to use goat anti-rabbit IgG H&L (HRP Polymer) was used as the secondary antibody. Counter stained with Hematoxylin.



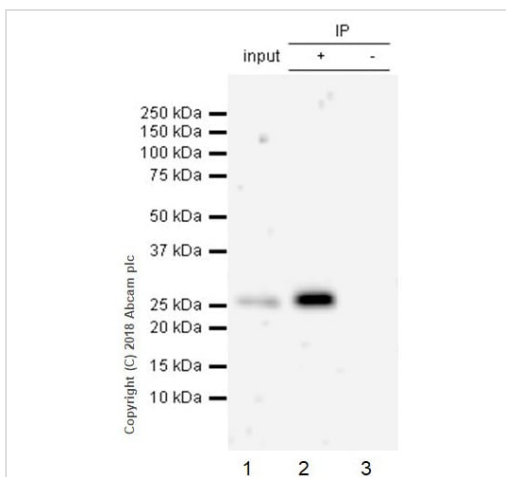
Immunocytochemistry/ Immunofluorescence - Anti-eIF4E antibody [Y449] (ab33768)

Immunocytochemistry/ Immunofluorescence analysis of RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) cells labeling eIF4E with Purified ab33768 at 1/50 (10 µg/mL). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Flow Cytometry (Intracellular) - Anti-eIF4E antibody [Y449] (ab33768)

Intracellular Flow Cytometry analysis of HEK-293 (Human embryonickidney epithelial cell) cells labeling eIF4E with Purified ab33768 at 1/50 dilution (10 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunoprecipitation - Anti-eIF4E antibody [Y449] (ab33768)

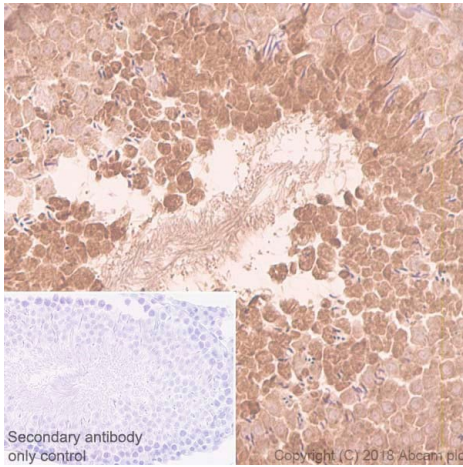
eIF4E was immunoprecipitated from 10 µg NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate with ab33768 at a 1/30 dilution. Western blot was performed from the immunoprecipitate using ab33768 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Lane 1: NIH/3T3 (Mouse embryonic fibroblast) whole cell lysate 10 µg (Input).

Lane 2: ab33768 IP in NIH/3T3 whole cell lysate.

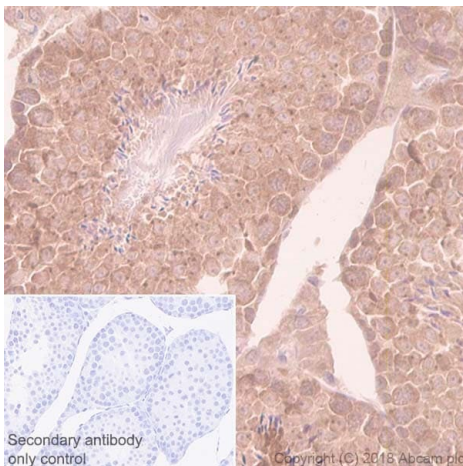
Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab33768 in NIH/3T3 whole cell lysate.

Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF4E antibody [Y449] (ab33768)

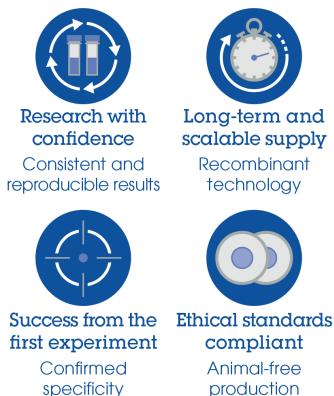
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat testis tissue labelling eIF4E with ab33768 at a dilution of 1/500. Antigen retrieval was performed **ab93684**, Tris/EDTA buffer, pH 9. A ready to use goat anti-rabbit IgG H&L (HRP Polymer) was used as the secondary antibody. Counter stained with Hematoxylin.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eIF4E antibody [Y449] (ab33768)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse testis tissue labelling eIF4E with ab33768 at a dilution of 1/500. Antigen retrieval was performed **ab93684**, Tris/EDTA buffer, pH 9. A ready to use goat anti-rabbit IgG H&L (HRP Polymer) was used as the secondary antibody. Counter stained with Hematoxylin.

Why choose a recombinant antibody?



Anti-eIF4E antibody [Y449] (ab33768)

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