


Anti-eIF-6 antibody ab77298

[1 References](#) [2 图像](#)

概述

产品名称	Anti-eIF-6抗体
描述	兔多克隆抗体to eIF-6
宿主	Rabbit
经测试应用	适用于: ICC/IF, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Sheep, Cow 
免疫原	Synthetic peptide corresponding to Human eIF-6 aa 200 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab90213)
阳性对照	This antibody gave a positive signal in the following whole cell lysates: SW480; Caco2; HeLa; HEK293; HepG2; LOVO; K562.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab77298于以下的经测试应用

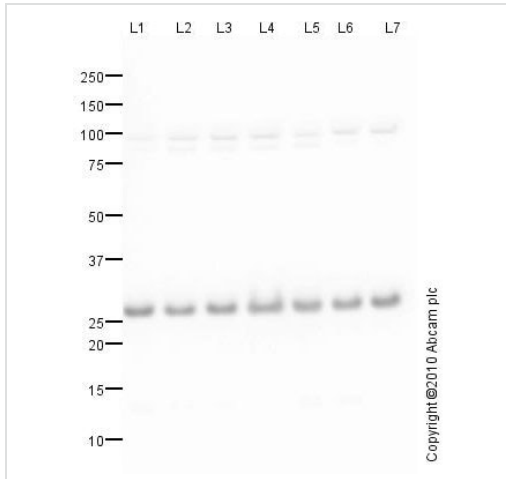
“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use a concentration of 5 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 27 kDa (predicted molecular weight: 27 kDa).

靶标

功能	Binds to the 60S ribosomal subunit and prevents its association with the 40S ribosomal subunit to form the 80S initiation complex in the cytoplasm. May behave as a stimulatory translation initiation factor downstream insulin/growth factors. Is also involved in ribosome biogenesis. Associates with pre-60S subunits in the nucleus and is involved in its nuclear export. Cytoplasmic release of TIF6 from 60S subunits and nuclear relocalization is promoted by a RACK1 (GNB2L1)-dependent protein kinase C activity.
组织特异性	Expressed at very high levels in colon carcinoma with lower levels in normal colon and ileum and lowest levels in kidney and muscle (at protein level).
序列相似性	Belongs to the eIF-6 family.
翻译后修饰	Phosphorylation at Ser-174 and Ser-175 promotes nuclear export.
细胞定位	Cytoplasm. Nucleus > nucleolus. Shuttles between cytoplasm and nucleus/nucleolus.

图片



Western blot - Anti-eIF-6 antibody (ab77298)

All lanes : Anti-eIF-6 antibody (ab77298) at 1 µg/ml

Lane 1 : SW480 (Human colon adenocarcinoma cell line) Whole Cell Lysate

Lane 2 : Caco 2 (Human colonic carcinoma cell line) Whole Cell Lysate

Lane 3 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 4 : HEK293 (Human embryonic kidney cell line) Whole Cell Lysate

Lane 5 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lane 6 : LOVO (Human colon adenocarcinoma cell line) Whole Cell Lysate

Lane 7 : K562 (Human erythromyeloblastoid leukemia cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

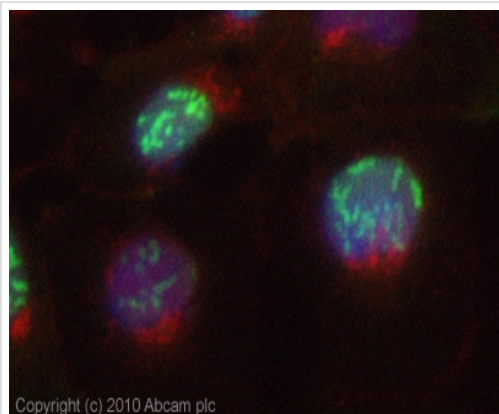
Performed under reducing conditions.

Predicted band size: 27 kDa

Observed band size: 27 kDa

Additional bands at: 95 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 90 seconds



Immunocytochemistry/ Immunofluorescence - Anti-eIF-6 antibody (ab77298)

ICC/IF image of ab77298 stained Hek293 cells. The cells were 4% PFA fixed (10 min) and then incubated in 1%BSA / 10% normal Goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab77298, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 Goat anti-Rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in 4% PFA fixed (10 min) HeLa, HepG2, and MCF-7 cells at 5µg/ml, and in 100% Methanol fixed (5 min) HeLa, Hek293, HepG2, and MCF-7 cells at 1µg/ml.

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