

Anti-eIF3K antibody [2313C2a] ab50736

敲除验证

[1 References](#) [2 图像](#)

概述

产品名称	Anti-eIF3K抗体[2313C2a]
描述	小鼠单克隆抗体[2313C2a] to eIF3K
宿主	Mouse
经测试应用	适用于: WB
种属反应性	与反应: Human, Recombinant fragment
免疫原	Recombinant human EIF3S12
阳性对照	WB: HEK293 and THP1 cell lysates; Recombinant human EIF3S12.
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 long term.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 1% BSA, 0.03% Potassium phosphate, 0.812% Sodium chloride, 0.1312% Sodium phosphate, 0.0225% Potassium chloride</p>
纯度	Protein G purified
纯化说明	ab50736 was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
克隆	单克隆

克隆编号2313C2a

同种型IgG2b

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab50736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
WB		Use at an assay dependent concentration. Predicted molecular weight: 25 kDa.

靶标

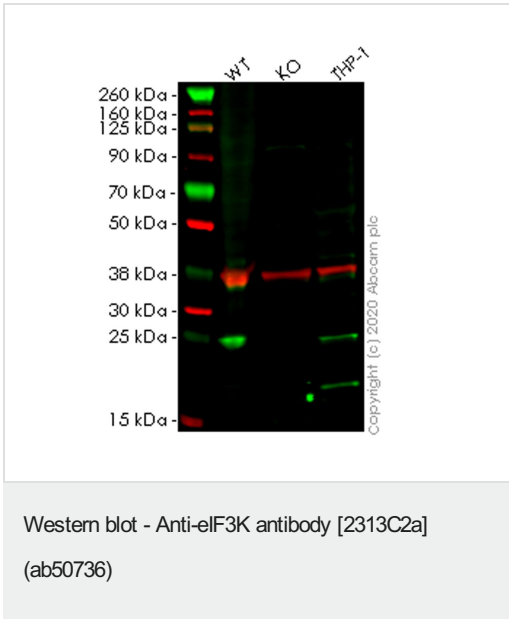
功能 Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.

组织特异性 Ubiquitous, with the highest levels of expression in brain, testis and kidney.

序列相似性 Belongs to the eIF-3 subunit K family.

细胞定位 Nucleus. Cytoplasm.

图片



All lanes : Anti-eIF3K antibody [2313C2a] (ab50736) at 1/500 dilution

- Lane 1 :** Wild-type HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate
- Lane 2 :** EIF3K knockout HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) whole cell lysate
- Lane 3 :** THP1 (Human monocytic leukemia cell line) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

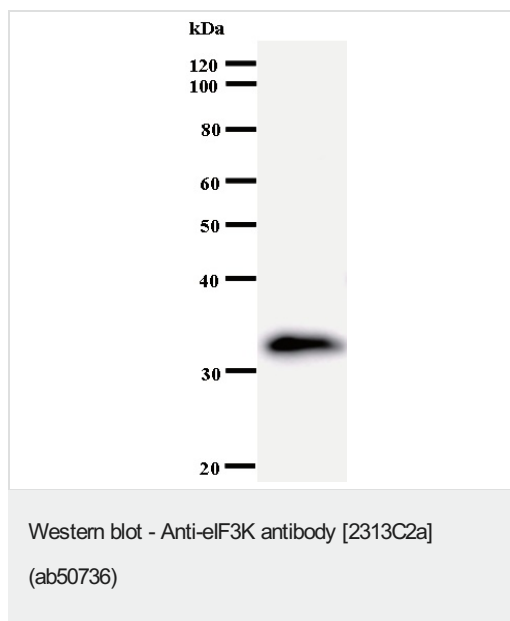
All lanes : Goat Anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed ([ab216777](#)) at 1/10000 dilution

Predicted band size: 25 kDa

Observed band size: 25 kDa

Lanes 1-3: Merged signal (red and green). Green - ab50736 observed at 25 kDa. Red - loading control [ab181602](#) observed at 36 kDa.

ab50736 Anti-eIF3K antibody [2313C2a] was shown to specifically react with eIF3K in wild-type HEK-293T cells. Loss of signal was observed when knockout cell line [ab266841](#) (knockout cell lysate [ab258857](#)) was used. Wild-type and eIF3K knockout samples were subjected to SDS-PAGE. ab50736 and Anti-GAPDH antibody[EPR16891] - Loading Control ([ab181602](#)) were incubated overnight at 4°C at 1 in 500 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 680RD) preadsorbed ([ab216777](#)) and Goat anti-Mouse IgG H&L (IRDye® 800CW) preadsorbed ([ab216772](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Anti-eIF3K antibody [2313C2a] (ab50736) + immunized recombinant protein

Predicted band size: 25 kDa

Observed band size: 33 kDa

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