abcam

Product datasheet

Anti-eIF4A2 antibody ab31218

★★★★★ **7 Abreviews**   **29 References**   3 图像

概述

产品名称	Anti-eIF4A2抗体
描述	兔多克隆抗体to eIF4A2
宿主	Rabbit
经测试应用	**适用于：** IP, WB
种属反应性	**与反应：** Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human eIF4A2 aa 1-100 conjugated to keyhole limpet haemocyanin. (Peptide available as **ab32473**)
常规说明	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. 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

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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ab31218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。**
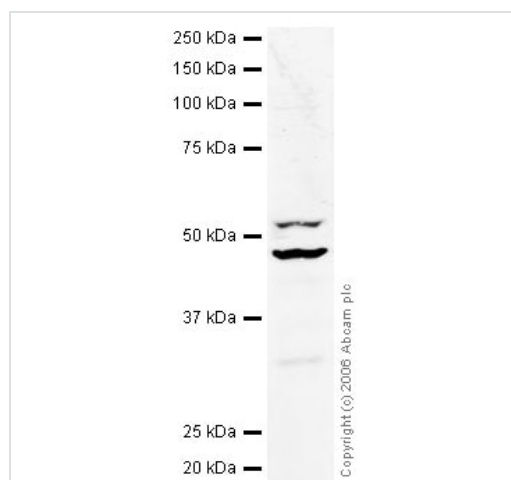
应用	Ab评论	说明
IP	★★★★★ (1)	Use at an assay dependent concentration.
WB	★★★★☆ (4)	Use a concentration of 1 µg/ml. Detects a band of approximately 47 kDa (predicted molecular weight: 47 kDa).

靶标

功能	ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome. In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.
序列相似性	Belongs to the DEAD box helicase family. eIF4A subfamily. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.

图片

Western blot - Anti-eIF4A2 antibody (ab31218)

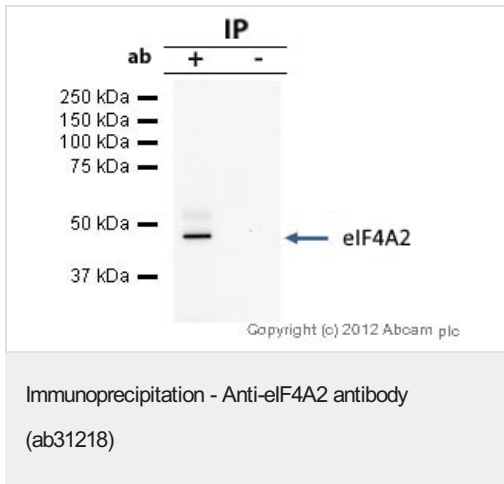Anti-eIF4A2 antibody (ab31218) at 1 µg/ml + Jurkat whole cell lysate (**ab7899**) at 20 µg

Secondary
IR Dye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/15000 dilution

Performed under reducing conditions.

Predicted band size: 47 kDa
Observed band size: 47 kDa
Additional bands at: 52 kDa. We are unsure as to the identity of these extra bands.

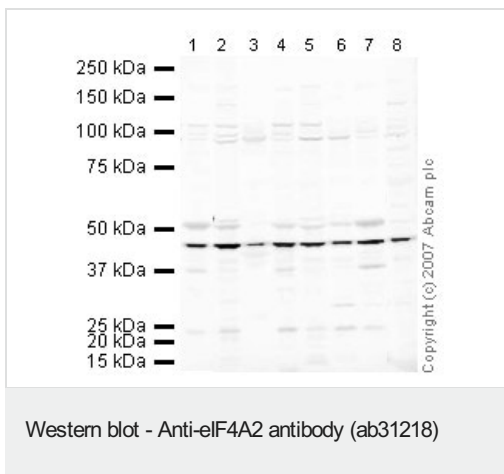Immunoprecipitation - Anti-eIF4A2 antibody
(ab31218)

eIF4A2 was immunoprecipitated using 0.5mg Mouse skeletal muscle whole tissue extract, 5µg of Rabbit polyclonal to eIF4A2 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, Mouse skeletal muscle whole tissue extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab31218.

Secondary: Mouse monoclonal [SB62a] Secondary Antibody to Rabbit IgG light chain (HRP) (**ab99697**).

Band: 47kDa: eIF4A2 .

Western blot - Anti-eIF4A2 antibody (ab31218)

All lanes : Anti-eIF4A2 antibody (ab31218) at 1 µg/ml

Lane 1 : Brain (Mouse) Tissue Lysate

Lane 2 : Testis (Mouse) Tissue Lysate

Lane 3 : Mouse skeletal muscle tissue lysate - total protein (**ab29711**)

Lane 4 : Spinal Cord (Mouse) Tissue Lysate

Lane 5 : Ovary (Mouse) Tissue Lysate

Lane 6 : PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate

Lane 7 : Brain (Rat) Tissue Lysate

Lane 8 : Heart (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Performed under reducing conditions.

Predicted band size: 47 kDa

Observed band size: 47 kDa

Additional bands at: 51 kDa. We are unsure as to the identity of these extra bands.

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- Response to your inquiry within 24 hours

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