


Anti-CIRP antibody ab106230

★★★★★ [2 Abreviews](#) [6 References](#) [1 图像](#)

概述

产品名称	Anti-CIRP抗体
描述	山羊多克隆抗体to CIRP
宿主	Goat
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Chicken, Cow, Dog, Cynomolgus monkey, Rainbow trout, Chinese hamster 
免疫原	Synthetic peptide corresponding to Human CIRP aa 161-172 (C terminal). Sequence: C-RDSYDSYATHNE Database link: NP_001271.1

 [Run BLAST with](#)

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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

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, Tris buffered saline
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ab106230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 a concentration of 0.01 - 0.03 µg/ml. Detects a band of approximately 18 kDa (predicted molecular weight: 19 kDa). 1 hour primary incubation is recommended for this product.
IHC-P		Use a concentration of 3 - 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

功能	Cold-inducible mRNA binding protein that plays a protective role in the genotoxic stress response by stabilizing transcripts of genes involved in cell survival. Acts as a translational activator. Seems to play an essential role in cold-induced suppression of cell proliferation. Binds specifically to the 3'-untranslated regions (3'-UTRs) of stress-responsive transcripts RPA2 and TXN. Acts as a translational repressor (By similarity). Promotes assembly of stress granules (SGs), when overexpressed.
组织特异性	Ubiquitous.
序列相似性	Contains 1 RRM (RNA recognition motif) domain.
结构域	Both the RRM domain and the arginine, glycine (RGG) rich domain are necessary for binding to the TXN 3'-untranslated region. Both the RRM domain and the arginine, glycine (RGG) rich domain (RGG repeats) are necessary for optimal recruitment into SGs upon cellular stress. The C-terminal domain containing RGG repeats is necessary for translational repression.
翻译后修饰	Methylated on arginine residues. Methylation of the RGG motifs is a prerequisite for recruitment into SGs. Phosphorylated by CK2, GSK3A and GSK3B. Phosphorylation by GSK3B increases RNA-binding activity to the TXN 3'-UTR transcript upon exposure to UV radiation.
细胞定位	Nucleus > nucleoplasm. Cytoplasm. Translocates from the nucleus to the cytoplasm after exposure to UV radiation. Translocates from the nucleus to the cytoplasm into stress granules upon various cytoplasmic stresses, such as osmotic and heat shocks. Its recruitment into stress granules occurs in the absence of TIAR proteins.

图片



Anti-CIRP antibody (ab106230) at 0.01 µg/ml + mouse testis lysate
in RIPA buffer at 35 µg

Developed using the ECL technique.

Predicted band size: 19 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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