

Anti-CRM1 antibody ab3459

★★★★★ [1 Abreviews](#) [4 References](#) [1 图像](#)

概述

产品名称	Anti-CRM1抗体
描述	兔多克隆抗体to CRM1
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Human
免疫原	Synthetic peptide corresponding to Human CRM1 aa 1043-1058. Sequence: RQADEEKHKRQMSVPGS

(Peptide available as [ab41768](#))

 [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 or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 99% PBS
纯度	Immunogen affinity purified
Primary antibody说明	Diffusion of metabolites and small non-nuclear molecules as well as active, mediated import of protein and export of protein and RNA through the nuclear envelope occurs through nuclear pore complexes or NPC's. NPC's contain up to 100 different polypeptides which have a combined mass of about 125 megadaltons. The channel available for passive transport through the NPC is

about 9-10 nm in diameter while carrier mediated changes in the NPC result in a ~25 nm channel used for larger, actively transported molecules. Active transport of molecules through the NPC is a signal-mediated process that is not well understood. Proteins to be exported from the nucleus to cytoplasm contain leucine-rich nuclear export signals (NESs). NESs are recognized by transport receptors belonging to the importin-beta family of proteins. It has been shown that NES export is mediated by CRM 1 (Chromosome Region Maintenance 1), an importin-beta family member that binds NESs, Ran:GTP, and Ran binding protein (RanBP). CRM 1 mediates the nuclear exportation of numerous proteins, including histone deacetylases (HDACs), viral proteins, immunophilins, and STAT 1.

克隆 多克隆
同种型 IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab3459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		1/500 - 1/5000. Detects a band of approximately 135 kDa (predicted molecular weight: 119 kDa).

靶标

功能 Mediates the nuclear export of cellular proteins (cargos) bearing a leucine-rich nuclear export signal (NES) and of RNAs. In the nucleus, in association with RANBP3, binds cooperatively to the NES on its target protein and to the GTPase RAN in its active GTP-bound form (Ran-GTP). Docking of this complex to the nuclear pore complex (NPC) is mediated through binding to nucleoporins. Upon transit of an nuclear export complex into the cytoplasm, disassembling of the complex and hydrolysis of Ran-GTP to Ran-GDP (induced by RANBP1 and RANGAP1, respectively) cause release of the cargo from the export receptor. The directionality of nuclear export is thought to be conferred by an asymmetric distribution of the GTP- and GDP-bound forms of Ran between the cytoplasm and nucleus. Involved in U3 snoRNA transport from Cajal bodies to nucleoli. Binds to late precursor U3 snoRNA bearing a TMG cap. Several viruses, among them HIV-1, HTLV-1 and influenza A use it to export their unspliced or incompletely spliced RNAs out of the nucleus. Interacts with, and mediates the nuclear export of HIV-1 Rev and HTLV-1 Rex proteins. Involved in HTLV-1 Rex multimerization.

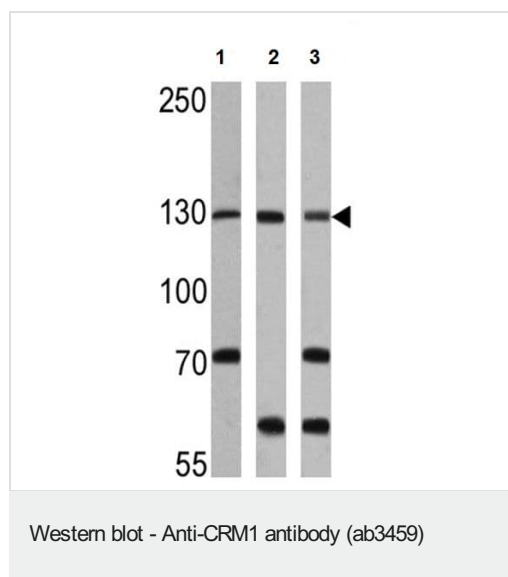
组织特异性 Expressed in heart, brain, placenta, lung, liver, skeletal muscle, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes. Not expressed in the kidney.

序列相似性 Belongs to the exportin family.
Contains 10 HEAT repeats.
Contains 1 importin N-terminal domain.

翻译后修饰 Phosphorylated upon DNA damage, probably by ATM or ATR.

细胞定位 Cytoplasm. Nucleus > nucleoplasm. Nucleus > Cajal body. Nucleus > nucleolus. Located in the nucleoplasm, Cajal bodies and nucleoli. Shuttles between the nucleus/nucleolus and the cytoplasm.

图片



All lanes : Anti-CRM1 antibody (ab3459) at 1/1000 dilution

Lane 1 : SK-BR-3 (Human mammary gland adenocarcinoma cell line) whole cell lysate

Lane 2 : HeLa (Human epithelial adenocarcinoma cell line) whole cell lysate

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

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit

Predicted band size: 119 kDa

Observed band size: 130 kDa

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

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