abcam

Product datasheet

Anti-Lin28A antibody [EPR4639] ab109751
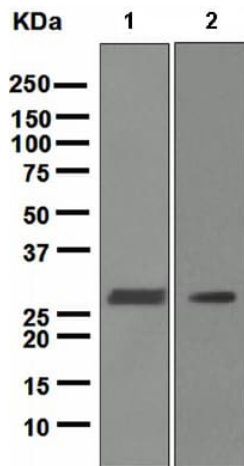
重组   RabMAb

1 References   3 图像

概述

产品名称	Anti-Lin28A抗体[EPR4639]
描述	兔单克隆抗体[EPR4639] to Lin28A
宿主	Rabbit
经测试应用	**适用于:** WB, ICC/IF **不适用于:** IHC-P
种属反应性	**与反应:** Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: JAR and NCCIT cell lysates; ICC/IF: NCCIT cells.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆

克隆编号	EPR4639
同种型	IgG

应用

The Abpromise guarantee　　　**Abpromise™承诺保证使用ab109751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		1/1000 - 1/10000. Predicted molecular weight: 23 kDa.
ICC/IF		1/500.

应用说明	Is unsuitable for IHC-P.

靶标

功能	Acts as a 'translational enhancer', driving specific mRNAs to polysomes and thus increasing the efficiency of protein synthesis. Its association with the translational machinery and target mRNAs results in an increased number of initiation events per molecule of mRNA and, indirectly, in stabilizing the mRNAs. Binds IGF2 mRNA, MYOD1 mRNA, ARBP/36B4 ribosomal protein mRNA and its own mRNA. Essential for skeletal muscle differentiation program through the translational up-regulation of IGF2 expression (By similarity). Acts as a suppressor of microRNA (miRNA) biogenesis by specifically binding the precursor let-7 (pre-let-7), a miRNA precursor. Acts by binding pre-let-7 and recruiting ZCCHC11/TUT4 uridylyltransferase, leading to the terminal uridylation of pre-let-7. Uridylated pre-let-7 miRNAs fail to be processed by Dicer and undergo degradation. Degradation of pre-let-7 in embryonic stem (ES) cells contributes to the maintenance of ES cells. In contrast, LIN28A down-regulation in neural stem cells by miR-125, allows the processing of pre-let-7. Specifically recognizes the 5'-GGAG-3' motif in the terminal loop of pre-let-7. Also recognizes and binds non pre-let-7 pre-miRNAs that contain the 5'-GGAG-3' motif in the terminal loop, leading to their terminal uridylation and subsequent degradation.
组织特异性	Expressed in embryonic stem cells (ES cells), placenta and testis.
序列相似性	Belongs to the lin-28 family. Contains 2 CCHC-type zinc fingers. Contains 1 CSD (cold-shock) domain.
发展阶段	Expressed in fetal liver. Expression decreases during differentiation of ES cells or upon induction of neuronal differentiation by retinoic acid.
结构域	The CSD domain is required for function in muscle differentiation.
细胞定位	Cytoplasm. Nucleus > nucleolus. Nucleolar localization observed in 10-15% of the nuclei in differentiated myotubes (By similarity). Shuttles between the cytoplasm and the nucleus. Localizes to cytoplasmic processing bodies and stress granules.

图片

Western blot - Anti-Lin28A antibody [EPR4639] (ab109751)
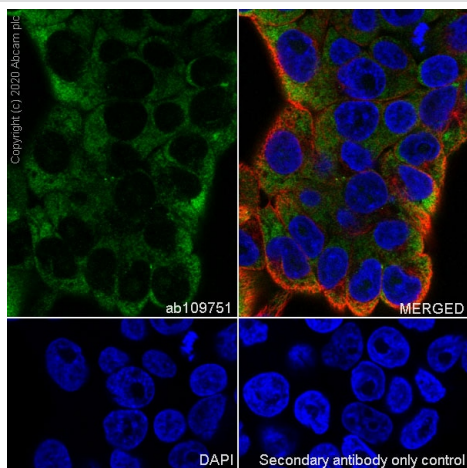
All lanes : Anti-Lin28A antibody [EPR4639] (ab109751) at 1/1000 dilution

Lane 1 : JAR cell lysate

Lane 2 : NCCIT cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 23 kDa

Immunocytochemistry/ Immunofluorescence - Anti-Lin28A antibody [EPR4639] (ab109751)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized NCCIT cells labelling Lin28A with ab109751 at 1/500 dilution, followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor$^®$ 488) antibody at 1/1000 dilution (2 µg/mL) (Green). Confocal image showing cytoplasmic staining in NCCIT cell line. **ab195889** Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor$^®$ 594) was used to counterstain tubulin at 1/200 dilution (2.5 µg/mL) (Red). The nuclear counterstain was DAPI (Blue).

Secondary antibody only control: PBS instead of the primary antibody.

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-Lin28A antibody [EPR4639] (ab109751)

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