

Anti-Lin28A antibody [EPR4639] - BSA and Azide free ab247924

重组 RabMAb

2 图像

概述

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| 产品名称 | Anti-Lin28A抗体[EPR4639] - BSA and Azide free |
| 描述 | 兔单克隆抗体[EPR4639] to Lin28A - BSA and Azide free |
| 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 | ICC: NCCIT cells. |
| 常规说明 | <p>ab247924 is the carrier-free version of ab109751.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> |

性能

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| 形式 | Liquid |
| 存放说明 | Shipped at 4°C. Store at +4°C. Do Not Freeze. |
| 存储溶液 | pH: 7.2 Constituent: PBS |
| 无载体 | 是 |
| 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ab247924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: 23 kDa. |
| ICC/IF | | Use at an assay dependent concentration. |

应用说明 Is unsuitable for IHC-P.

靶标

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| 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. |

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| | 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

Immunocytochemistry/ Immunofluorescence - Anti-Lin28A antibody [EPR4639] - BSA and Azide free (ab247924)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab109751**).

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

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

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