abcam

Product datasheet

Anti-Lin28A antibody [6D1F9] ab76369

画像数 5

製品の概要

製品名	Anti-Lin28A antibody [6D1F9]
製品の詳細	Mouse monoclonal [6D1F9] to Lin28A
由来種	Mouse
アプリケーション	**適用あり:** Sandwich ELISA, WB, ICC/IF, Flow Cyt
種交差性	**交差種:** Human, Recombinant fragment
免疫原	Recombinant fragment corresponding to Human Lin28A aa 50-250.
ポジティブ・コントロール	Truncated Trx-Lin28A (aa93-209) recombinant protein. Lin28 (aa93-209) tagged recombinant fragment. Full length Lin28-hIgGFc transfected CHOK1 cell lysate.
特記事項	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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	Preservative: 0.05% Sodium azide Constituent: PBS
精製度	Protein G purified
特記事項（精製）	Purified from tissue culture supernatant.
ポリ/モノ	モノクローナル
クローン名	6D1F9
アイソタイプ	IgG1

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab76369の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Sandwich ELISA		Use a concentration of 0.2 µg/ml. Can be paired for Sandwich ELISA with **Rabbit polyclonal to Lin28A (ab63740)**. For sandwich ELISA, use this antibody as Capture at 0.2 µg/ml with **Rabbit polyclonal to Lin28 (ab63740)** as Detection.
WB		1/500 - 1/2000. Predicted molecular weight: 23 kDa.
ICC/IF		1/200 - 1/1000.
Flow Cyt		Use 1-2µg for 10^6 cells. **ab170190** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ターゲット情報

機能

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.

組織特異性

Expressed in embryonic stem cells (ES cells), placenta and testis.

配列類似性

Belongs to the lin-28 family.
Contains 2 CCHC-type zinc fingers.
Contains 1 CSD (cold-shock) domain.

発生段階

Expressed in fetal liver. Expression decreases during differentiation of ES cells or upon induction of neuronal differentiation by retinoic acid.

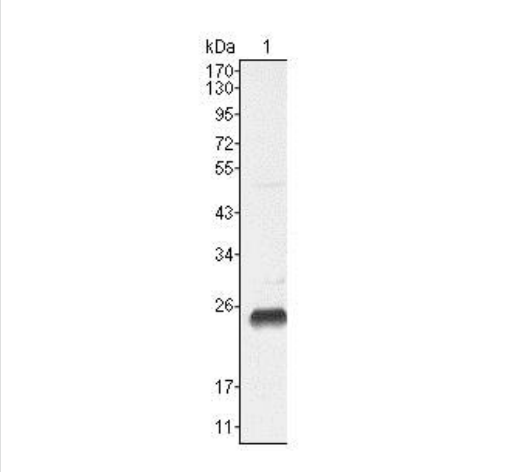
ドメイン

The CSD domain is required for function in muscle differentiation.

細胞内局在

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.

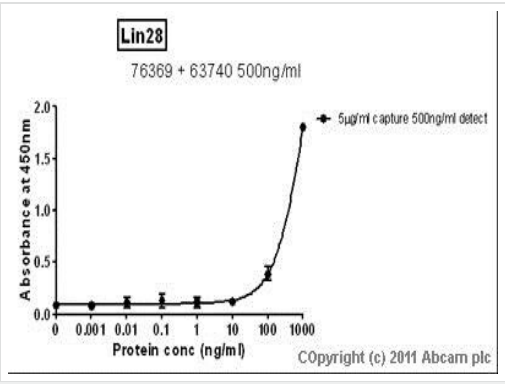
画像



Western blot - Anti-Lin28A antibody [6D1F9] (ab76369)

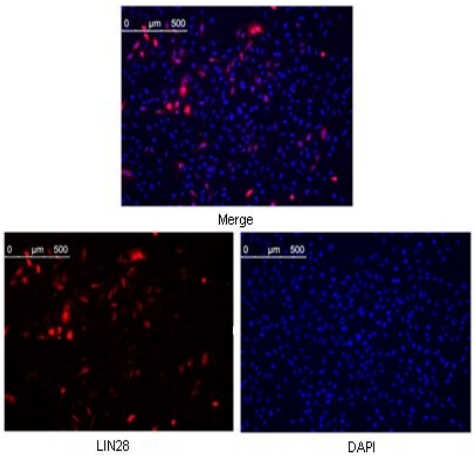
Anti-Lin28A antibody [6D1F9] (ab76369) at 1/2000 dilution + Cell lysates prepared from human NTERA-2 cells

Predicted band size: 23 kDa



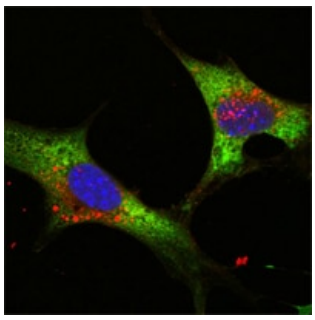
Sandwich ELISA - Anti-Lin28A antibody [6D1F9] (ab76369)

Standard Curve for Lin28A (Analyte: (**ab89225**) Lin28 protein (His tag) (**ab89225**)); dilution range 1 pg/ml to 1 ug/ml using Capture Antibody (ab76369) Mouse monoclonal [6D1F9] to Lin28A (ab76369) at 0.2 ug/ml and Detector Antibody (**ab63740**) Rabbit polyclonal to Lin28A (**ab63740**) at 0.1 ug/ml.



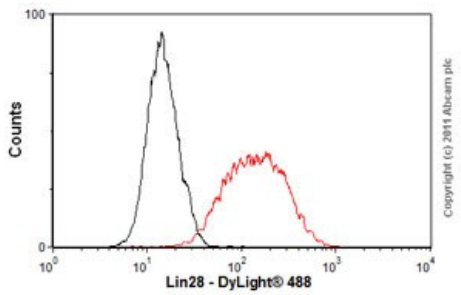
Immunocytochemistry/ Immunofluorescence - Anti-Lin28A antibody [6D1F9] (ab76369)

Immunofluorescence staining of methanol fixed HeLa cells were transfected with pMX construct of human Lin28A. Cells were analyzed ~62 hours after transfection.



Immunocytochemistry/ Immunofluorescence - Anti-Lin28A antibody [6D1F9] (ab76369)

ab76369 at 1/2000 dillution staining Lin28A in NTERA-2 cells by Immunocytochemistry/ Immunofluorescence. The green color in image show positive staining with primary antibody while nuclei were stained blue with DRAQ5 fluorescent DNA dye.



Flow Cytometry - Anti-Lin28A antibody [6D1F9] (ab76369)

Overlay histogram showing HeLa cells stained with ab76369 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab76369, 1µg/1x10^6 cells) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive result in HeLa cells fixed with 4% paraformaldehyde (10 min)/permeabilized in 0.1% PBS-Tween for 20 min used under the same conditions.

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