

Anti-Lin28A antibody ab46020

★★★★☆ **15 Abreviews** **93 References** 画像数 2

製品の概要

製品名	Anti-Lin28A antibody
製品の詳細	Rabbit polyclonal to Lin28A
由来種	Rabbit
アプリケーション	適用あり: WB, ICC/IF
種交差性	交差種: Human
免疫原	Recombinant full length protein corresponding to Human Lin28A.
特記事項	<p>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.</p> <p>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</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
精製度	Whole antiserum
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

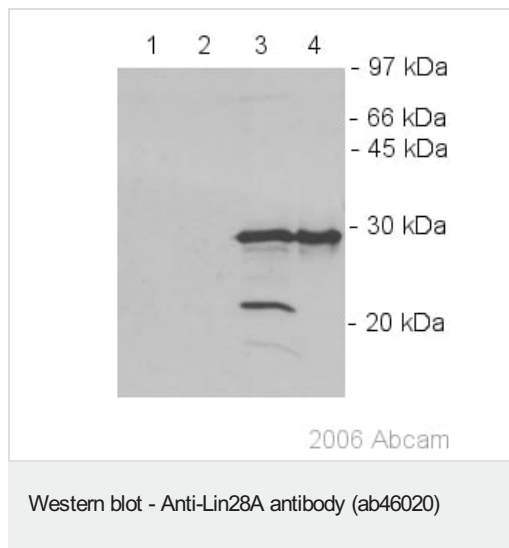
The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab46020の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB	★★★★★ (6)	1/1000. Detects a band of approximately 29 kDa (predicted molecular weight: 23 kDa).
ICC/IF	★★★★★ (3)	Use at an assay dependent concentration.

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



All lanes : Anti-Lin28A antibody (ab46020) at 1/1000 dilution

Lane 1 : PC-3 cell extract in lysis buffer containing NP-40 at 45 µg

Lane 2 : PC-3 cell extract (Trizol bottom phase) at 30 µg

Lane 3 : Tera-2 cell extract (Trizol bottom phase) at 30 µg

Lane 4 : Tera-2 cell extract in lysis buffer containing NP-40 at 45 µg

Secondary

All lanes : Goat anti-rabbit HRP conjugated at 1/4000 dilution

Predicted band size: 23 kDa

Observed band size: 29 kDa

Additional bands at: 22 kDa. We are unsure as to the identity of these extra bands.

It is unclear why lin28A runs at a larger size than its predicted molecular weight but recombinant lin28 protein is also known to run at around 30 kDa.



Human Embryonic stem cells were fixed in PFA and then incubated with the primary antibody ab46020 (1:1000) diluted in 2% BSA for 16 hours at 4°C. Cells were then washed and incubated with a Cy3 conjugated goat anti-rabbit polyclonal antibody (1:400). Cells were then washed and visualised.

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