

Datasheet for ABIN3031623
anti-LIN28A antibody (C-Term)



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2 Images

Overview

Quantity:	0.4 mL
Target:	LIN28A
Binding Specificity:	AA 177-210, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LIN28A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This mouse Lin28a antibody was produced from a rabbit immunized with a KLH conjugated synthetic peptide between 177-210 amino acids from the C-terminal region of mouse Lin28a.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	LIN28A
Alternative Name:	Lin28a (LIN28A Products)
Background:	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,

Target Details

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. 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.

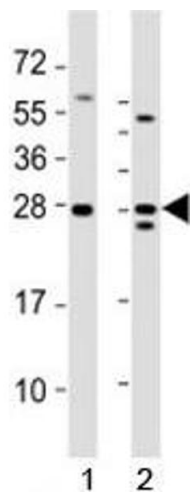
UniProt:	Q8K3Y3
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	Titration of the Lin28a antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000-2000
Restrictions:	For Research Use only

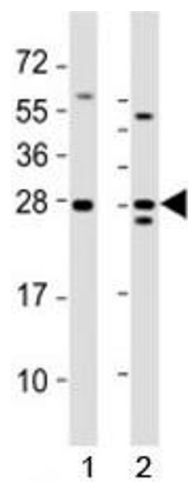
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the Lin28a antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Western blot testing of Lin28a antibody at 1:2000 dilution. Lane 1: mouse F9 lysate; 2: human NCCIT lysate; Predicted molecular weight ~ 23 kDa.



Western Blotting

Image 2. Western blot testing of Lin28a antibody at 1:2000 dilution. Lane 1: mouse F9 lysate