

Datasheet for ABIN6243717  
**anti-LIN28A antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
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)

## Product Details

Immunogen:	This Mouse Lin28a antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 177-210 amino acids from the C-terminal region of Mouse Lin28a.
Clone:	RB51168
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	LIN28A
Alternative Name:	Lin28a ( <a href="#">LIN28A Products</a> )
Background:	Acts as a 'translational enhancer', driving specific mRNAs to polysomes and thus increasing the

## Target Details

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. 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.

Molecular Weight: 22720

UniProt: [Q8K3Y3](#)

Pathways: [Stem Cell Maintenance](#)

## Application Details

Application Notes: WB: 1:2000. WB: 1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

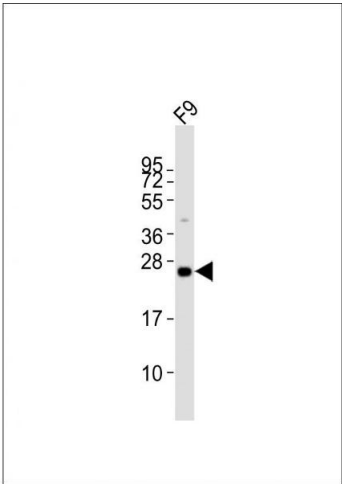
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

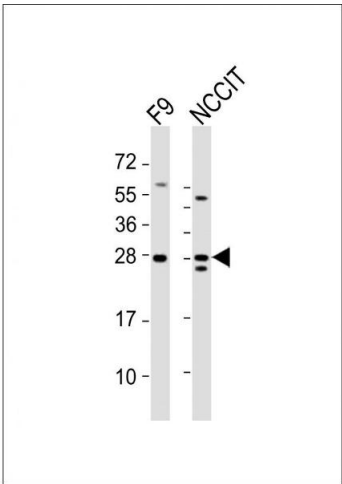
Storage: 4 °C,-20 °C

Expiry Date: 6 months



#### Western Blotting

**Image 1.** Anti-Lin28a Antibody (C-term) at 1:2000 dilution + F9 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa. Blocking/Dilution buffer: 5 % NFDM/TBST.



#### Western Blotting

**Image 2.** All lanes : Anti-Lin28a Antibody (C-term) at 1:2000 dilution. Lane 1: F9 whole cell lysates. Lane 2: NCCIT whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 23 kDa. Blocking/Dilution buffer: 5 % NFDM/TBST.