

Datasheet for ABIN2775818  
**anti-LIN28A antibody (N-Term)**



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2 Images

## Overview

|                      |                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                      |
| Target:              | LIN28A                                                                                      |
| Binding Specificity: | N-Term                                                                                      |
| Reactivity:          | Human, Mouse, Rat, Cow, Dog, Pig, Sheep, Goat, Guinea Pig, Rabbit, Saccharomyces cerevisiae |
| Host:                | Rabbit                                                                                      |
| Clonality:           | Polyclonal                                                                                  |
| Conjugate:           | This LIN28A antibody is un-conjugated                                                       |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC)                                           |

## Product Details

|                       |                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the N terminal region of human LIN28                                             |
| Sequence:             | GSVSNQQFAG GCAKAAEEAP EEAPEDAARA ADEPQLLHGA GICKWFNVRM                                                                                 |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Goat: 91%, Guinea Pig: 86%, Human: 100%, Mouse: 90%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Yeast: 77% |
| Characteristics:      | This is a rabbit polyclonal antibody against LIN28. It was validated on Western Blot using a cell lysate as a positive control.        |
| Purification:         | Affinity Purified                                                                                                                      |

## Target Details

|         |        |
|---------|--------|
| Target: | LIN28A |
|---------|--------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | LIN28 ( <a href="#">LIN28A Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Background:       | <p>LIN28 acts as a 'translational enhancer', driving specific mRNAs to polysomes and thus increasing the efficiency of protein synthesis. The association of LIN28 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. IT binds IGF2 mRNA, MYOD1 mRNA, ARBP/36B4 ribosomal protein mRNA and its own mRNA. LIN28 is Essential for skeletal muscle differentiation program through the translational up-regulation of IGF2 expression.</p> <p>Alias Symbols: CSDD1, FLJ12457, LIN-28, LIN28A, ZCCHC1, LIN28, lin-28A</p> <p>Protein Interaction Partner: HNRNPUL2, HNRNPA3, DHX36, SREK1, TRIM71, LARP4, TGS1, DHX57, GADD45GIP1, LTV1, NOA1, DDX50, KRI1, NOL6, METTL17, NOC3L, ZC3HAV1, PPAN, CCBL2, MEPCE, TSR1, NHP2, NOP10, STRBP, BRIX1, RBM28, PHAX, SRRT, LARP7, DDX41, HP1BP3, NOB1, PRPF19, ZBTB11, SND1, AATF</p> <p>Protein Size: 209</p> |
| Molecular Weight: | 23 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene ID:          | 79727                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI Accession:   | <a href="#">NM_024674</a> , <a href="#">NP_078950</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UniProt:          | <a href="#">Q9H9Z2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pathways:         | <a href="#">Stem Cell Maintenance</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Application Details

|                    |                                                                                    |
|--------------------|------------------------------------------------------------------------------------|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 209 AA                                                               |
| Restrictions:      | For Research Use only                                                              |

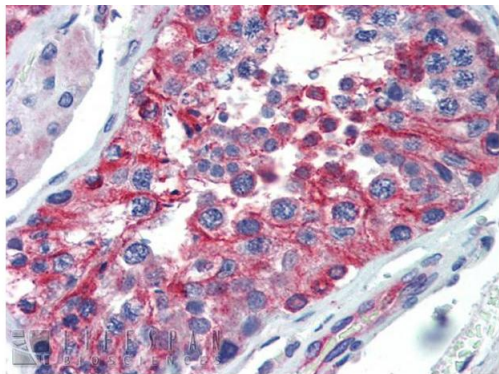
## Handling

|                    |                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                              |
| Concentration:     | Lot specific                                                                                        |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative:      | Sodium azide                                                                                        |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which                       |

Handling

|                  |                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|                  | should be handled by trained staff only.                                                                                                |
| Handling Advice: | Avoid repeated freeze-thaw cycles.                                                                                                      |
| Storage:         | -20 °C                                                                                                                                  |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images

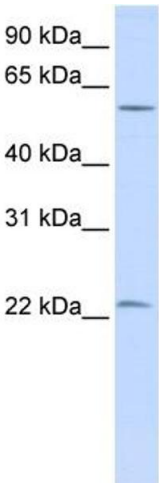


Rabbit Anti-LIN28 Antibody  
Catalog Number: ARP34477  
Lot Number: QC11454  
Paraffin Embedded Tissue: Human Testis  
Antibody Concentration: 5.0 µg/ml

Data courtesy of Lifespan Biosciences, Inc.

Immunohistochemistry

**Image 1.** Immunohistochemistry with Human Testis lysate tissue at an antibody concentration of 5.0ug/ml using anti-LIN28 antibody



Western Blotting

**Image 2.** WB Suggested Anti-LIN28 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Hela cell lysate