

## Datasheet for ABIN7466187 **anti-LIN28B antibody**



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### Overview

|              |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                             |
| Target:      | LIN28B                                                                             |
| Reactivity:  | Human                                                                              |
| Host:        | Rabbit                                                                             |
| Clonality:   | Polyclonal                                                                         |
| Conjugate:   | This LIN28B antibody is un-conjugated                                              |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

### Product Details

|                   |                                                                                                                             |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Immunogen:        | Recombinant protein encompassing a sequence within the center region of human LIN28B.<br>The exact sequence is proprietary. |
| Isotype:          | IgG                                                                                                                         |
| Cross-Reactivity: | Human                                                                                                                       |
| Purification:     | Purified by antigen-affinity chromatography.                                                                                |

### Target Details

|                   |                                                                                                                                                                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | LIN28B                                                                                                                                                                                                                                                                               |
| Alternative Name: | lin-28 homolog B ( <a href="#">LIN28B Products</a> )                                                                                                                                                                                                                                 |
| Background:       | Lin-28 homolog B , CSDD2, 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- |

## Target Details

7. Uridylated pre-let-7 miRNAs fail to be processed by Dicer and undergo degradation. 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. Mediates MYC-mediated let-7 repression. Isoform 1, when overexpressed, stimulates growth of the breast adenocarcinoma cell line MCF-7. Isoform 2 has no effect on cell growth.

|                   |                        |
|-------------------|------------------------|
| Molecular Weight: | 27 kDa                 |
| Gene ID:          | 389421                 |
| UniProt:          | <a href="#">Q6ZN17</a> |

## Application Details

|                    |                                                                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications. |
| Comment:           | Positive Control: Huh7                                                                                                                            |
| Restrictions:      | For Research Use only                                                                                                                             |

## Handling

|                    |                                                                                                                                                                                                                            |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                                                                                                                     |
| Concentration:     | 0.51 mg/mL                                                                                                                                                                                                                 |
| Buffer:            | 1XPBS ( pH 7), 20 % Glycerol, 0.025 % ProClin 300                                                                                                                                                                          |
| Preservative:      | ProClin                                                                                                                                                                                                                    |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                                                                          |
| Storage:           | 4 °C,-20 °C                                                                                                                                                                                                                |
| Storage Comment:   | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |