

## LIN28B Antibody

Catalog No: #AB21626



Package Size: #AB21626-1 50ul #AB21626-2 100ul #AB21626-4 25ul

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## Description

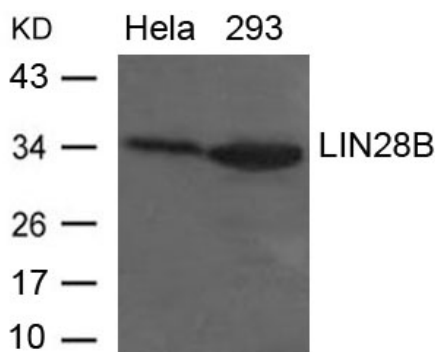
|                       |   |
|-----------------------|---|
| Product Name          | LIN28B Antibody   |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | WB  |
| Species Reactivity    | Hu  |
| Specificity           | The antibody detects endogenous levels of total LIN28B protein.   |
| Immunogen Type        | Peptide-KLH   |
| Immunogen Description | Peptide sequence around aa.242~246( P-S-V-Q-K) derived from Human LIN28B  |
| Target Name           | LIN28B  |
| Other Names           | CSDD2; FLJ16517;  |
| Accession No.         | Swiss-Prot: Q6ZN17NCBI Protein: NP_001004317.1  |
| Concentration         | 1.0mg/ml  |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.   |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.   |

## Application Details

Predicted MW: 21 32kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from HeLa and 293 cells using LIN28B Antibody #AB21626.

## Background

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. 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. "Identification and characterization of lin-28 homolog B (LIN28B) in human hepatocellular carcinoma."  
Guo Y., Chen Y., Ito H., et al. Gene 384:51-61(2006) "Lin28 mediates the terminal uridylation of let-7 precursor MicroRNA."  
Heo I., Joo C., Cho J., Ha M., Han J., Kim V.N. Mol. Cell 32:276-284(2008) "TUT4 in concert with Lin28 suppresses MicroRNA biogenesis through pre-microRNA uridylation."  
Heo I., Joo C., Kim Y.-K., Kim V.N., et al. Cell 138:696-708(2009)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.