FOR RESEARCH USE ONLY!

11/18

Anti-LIN28B Antibody

CATALOG NO.: A1685-100

BACKGROUND DESCRIPTION: Suppressor of microRNA (miRNA) biogenesis, including that of let-7 and possibly of miR107, miR-143 and miR-200c. Binds primary let-7 transcripts (pri-let-7), including pri-let-7g and pri-let-7a-1, and sequester them in the nucleolus, away from the microprocessor complex, hence preventing their processing into mature miRNA (PubMed:22118463). Does not act on pri-miR21. The repression of let-7 expression is required for normal development and contributes to maintain the pluripotent state of embryonic stem cells by preventing let-7-mediated differentiation. When overexpressed, recruits ZCCHC11/TUT4 uridylyltransferase to pre-let-7 transcripts, leading to their terminal uridylation and degradation (PubMed:19703396). This activity might not be relevant in vivo, as LIN28B-mediated inhibition of let-7 miRNA maturation appears to be ZCCHC11-independent. Interaction with target pre-miRNAs occurs via an 5'-GGAG-3' motif in the pre-miRNA terminal loop. Mediates MYC-induced let-7 repression. When overexpressed, isoform 1 stimulates growth of the breast adenocarcinoma cell line MCF-7. Isoform 2 has no effect on cell growth.

ALTERNATE NAMES: CSDD 2; CSDD2; FLJ16517; Lin 28 homolog B (C. elegans); Lin 28.2; Lin-28B; LIN28B; LN28B_HUMAN; Protein lin-28 homolog B.

AMOUNT: 100 µl.

HOST/ISOTYPE: Rabbit / IgG.

IMMUNOGEN: Peptide sequence around aa.242~246(P-S-V-Q-K) derived from Human LIN28B.

MOLECULAR WEIGHT: 21kDa.

PURIFICATION: Affinity purified.

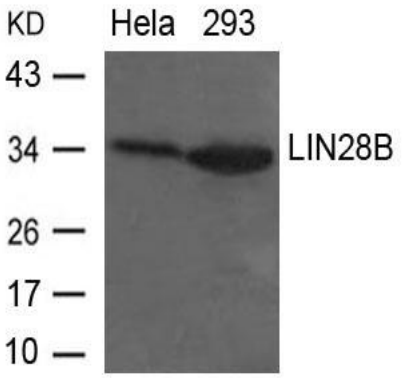
FORM: Liquid.

FORMULATION: In PBS, pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol.

SPECIES REACTIVITY: Human.

STORAGE CONDITIONS: Store at -20ºC; For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

APPLICATIONS AND USAGE: Western Blotting.



Western blot analysis of extracts from Hela and 293 cells using LIN28B Antibody.

RELATED PRODUCTS:

Lin28 antibody (Cat. No. 3091).
Lin28 antibody (Cat. No. 3091B).

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