



Anti-LIN28B (internal region) polyclonal antibody (CABT-BL2149)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human LIN28B.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Ammonium sulfate precipitation
Conjugate	Unconjugated
Applications	WB, IHC, ELISA, FC
Format	Liquid
Buffer	In PBS (0.09% sodium azide)
Preservative	0.09% Sodium Azide
Storage	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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
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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.

GENE INFORMATION

Entrez Gene ID	389421
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Protein Refseq	NP_001004317
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UniProt ID	Q6ZN17
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