



# Anti-LIN28B polyclonal antibody (CABT-BL2148)

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

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide between amino acids of 105-135 of human Lin28B, conjugated to KLH. The peptide has 80% homology for LIN28A (Q9H9Z2).
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Ammonium Sulphate Precipitation
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P, WB, ELISA
<b>Cellular Localization</b>	Cytoplasm. Nucleus. Predominantly cytoplasmic at G1 phase, accumulates in the nucleus in S and G2 phases. The frequency of nuclear localization in S and in G2 phases is 60% and 30%, respectively.
<b>Format</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## 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 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.

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## GENE INFORMATION

Entrez Gene ID	<a href="#">389421</a>
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Protein Refseq	<a href="#">NP_001004317</a>
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UniProt ID	<a href="#">Q6ZN17</a>
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