Product Datasheet

LIN28B Antibody

Catalog No: #21626

Package Size: #21626-1 50ul #21626-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

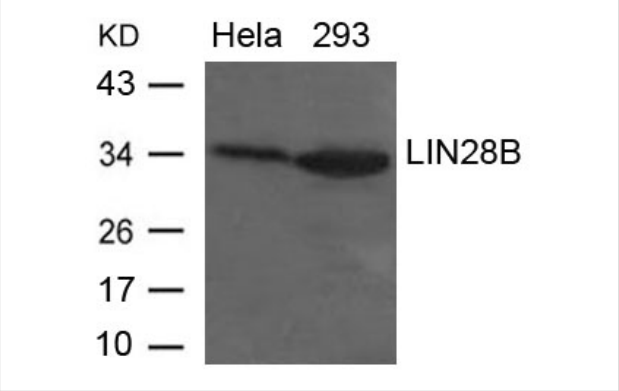
Product Name	LIN28B Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu
Specificity	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
Uniprot	Q6ZN17
GeneID	389421;
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 #21626.

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)

Note: This product is for in vitro research use only