Product Datasheet

LIN28A Monoclonal Antibody

Catalog No: #27197

Package Size: #27197-1 50ul #27197-2 100ul

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

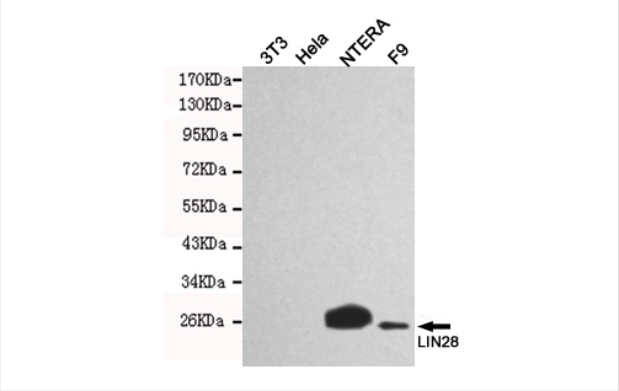
Description

Product Name	LIN28A Monoclonal Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	2C1-F9-A2
Isotype	IgG2a
Purification	Affinity purified
Applications	WB
Species Reactivity	Hu Ms
Specificity	This antibody detects endogenous levels of LIN28A and does not cross-react with related proteins.
Immunogen Type	Recombinant Protein
Immunogen Description	Purified recombinant human LIN28A protein fragments expressed in E.coli
Target Name	LIN28A
Other Names	CSDD1; FLJ12457; LIN 28; Lin-28A; LIN28; LIN28A; LN28A_HUMAN; Protein lin-28 homolog A; ZCCHC1; Zinc finger CCHC domain-containing protein 1;
Accession No.	Uniprot: Q9H9Z2 Gene ID: 79727
Uniprot	Q9H9Z2
GeneID	79727;
SDS-PAGE MW	26kd
Formulation	Purified mouse monoclonal in PBS(pH 7.4)containing with 0.2% sodium azide and 50% glycerol.
Storage	store at -20Λ C

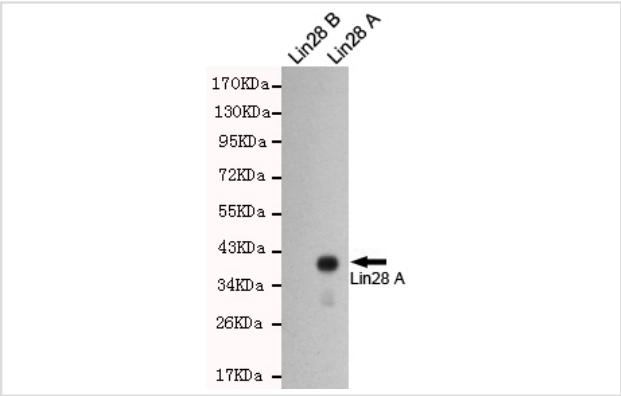
Application Details

Western blotting: 1:1000

Images



Western blot detection of LIN28 in NTERA & F9 cell lysates using LIN28 antibody(1:1000 diluted).Predicted band size:26KDa,Observed band size:26KDa.



Western blot detection of LIN28A in LIN28B and LIN28A recombinant antigen fragments and using LIN28A antibody (1:1000 diluted).

Background

Acts as a 'translational enhancer', driving specific mRNAs to polysomes and thus increasing the efficiency of protein synthesis.Its association with the translational machinery and target mRNAs results in an increased number of initiation events per molecule of mRNA and,indirectly,in stabilizing the mRNAs.Binds IGF2 mRNA,MYOD1 mRNA,ARBP/36B4 ribosomal protein mRNA and its own mRNA.Essential for skeletal muscle differentiation program through the translational up-regulation of IGF2 expression By similarity.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.Degradation of pre-let-7 in embryonic stem(ES)cells contributes to the maintenance of ES cells.In contrast,LIN28A down-regulation in neural stem cells by miR-125,allows the processing of pre-let-7.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.

Note: This product is for in vitro research use only