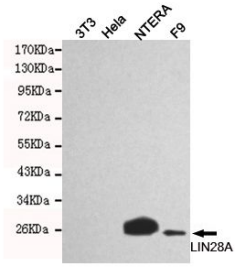
LIN28A

Mouse monoclonal Antibody

#53313

Catalog Number: 53313
Amount: 100μg/100μl
Swiss-Prot No. :Q9H9Z2
Gene name:lin28a
Gene id:79727
Clone Number： 2C1-F9-A2
Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Storage/Stability: Store at -20℃/1 year
Immunogen: Purified recombinant human LIN28A protein fragments expressed in E.coli
Purification: affinity-chromatography
Specificity/Sensitivity: This antibody detects endogenous levels of LIN28A and does not corss-react with related proteins
Reactivity: Human,Mouse
Applications: Predicted MW: 26kd WB: 1:1000



Western blot detection of LIN28 in NTERA and F9 cell lysates using LIN28A mouse mAb (1:1000 diluted).Predicted band size:26KDa.Observed band size:26KDa.

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.