

LIN28A (Phospho Ser200) Rabbit pAb

CatalogNo: YP1386

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC

MW

- 23kD (Observed)

Isotype

- IgG

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human LIN28A (Ser200)

Specificity This antibody detects endogenous levels of Human LIN28A (phospho-Ser200)

Target Information

Gene name LIN28A CSDD1 LIN28 ZCCHC1

Protein Name

LIN28A (Ser200)

Organism	Gene ID	UniProt ID
Human	79727 ;	Q9H9Z2 ;
Mouse	83557 ;	Q8K3Y3 ;

Cellular Localization

Cytoplasm . Rough endoplasmic reticulum . Cytoplasm , P-body . Cytoplasm , Stress granule . Nucleus , nucleolus . Predominantly cytoplasmic (PubMed:22118463) . In the cytoplasm , localizes to peri-endoplasmic reticulum regions and detected in the microsomal fraction derived from rough endoplasmic reticulum (RER) following subcellular fractionation. May be bound to the cytosolic surface of RER on which ER-associated mRNAs are translated (By similarity) . Shuttle from the nucleus to the cytoplasm requires RNA-binding (PubMed:17617744) . Nucleolar localization is observed in 10-15% of the nuclei in differentiated myotubes (By similarity) . .

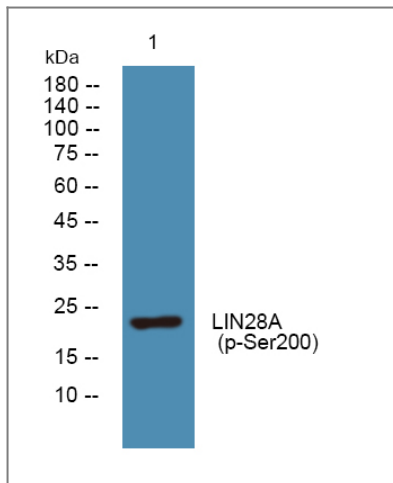
Tissue specificity

Expressed in embryonic stem cells , placenta and testis. Tends to be up-regulated in HER2-overexpressing breast tumors.

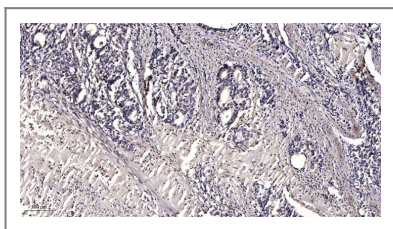
Function

developmental stage:Expressed in fetal liver. Expression decreases during differentiation of ES cells or upon induction of neuronal differentiation by retinoic acid. ,Domain:The CSD domain is required for function in muscle differentiation. ,Function: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. ,induction:Can be negatively regulated by the interaction of microRNAs miR-125a and miR-125b with at least two miRNA responsive elements (miREs) in the 3'-UTR of this gene. These interactions may reduce both translation efficiency and mRNA abundance. Negatively regulated by retinoic acid. ,similarity:Belongs to the lin-28 family. ,similarity:Contains 1 CSD (cold-shock) domain. ,similarity:Contains 2 CCHC-type zinc fingers. ,subcellular location:Nucleolar localization observed in 10 - 15% of the nuclei in differentiated myotubes. ,subunit:During skeletal muscle differentiation , associated with translation initiation complexes in the polysomal compartment. Directly interacts with EIF3S2. Interaction with NCL is RNA-dependent. ,tissue specificity:Expressed in embryonic stem cells (ES cells) , placenta and testis. ,

| Validation Data



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4°C over night



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Tris-EDTA, pH 9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 45min).

Contact information

Orders: order.cn@immunoway.com
 Support: support.cn@immunoway.com
 Telephone: 400-8787-807(China)
 Website: <http://www.immunoway.com.cn>
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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