

For Research Use Only

# LIN28A Monoclonal antibody, PBS Only

Catalog Number: 60344-1-PBS



## Basic Information

<b>Catalog Number:</b> 60344-1-PBS	<b>GenBank Accession Number:</b> BC028566	<b>Purification Method:</b> Protein G purification
<b>Concentration:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 79727	<b>CloneNo.:</b> 4F5G6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9H9Z2	
<b>Isotype:</b> IgG1	<b>Full Name:</b> lin-28 homolog (C. elegans)	
<b>Immunogen Catalog Number:</b> AG2312	<b>Calculated MW:</b> 209 aa, 23 kDa	
	<b>Observed MW:</b> 28 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF-P, Indirect ELISA

**Species Specificity:**  
human

## Background Information

LIN28 is one of the four key human factors (OCT4, SOX2, NANOG and LIN28) used to reprogram human fibroblasts to an embryonic stem (ES) cell-like state known as the induced pluripotent stem (iPS) cell. LIN28 is a marker of undifferentiated human embryonic stem cells and a cytoplasmic mRNA-binding protein that binds to and enhances the translation of the IGF2 mRNA. LIN28 has also been shown to bind to the let-7 pre-miRNA and block production of the mature let-7 microRNA in mouse embryonic stem cells. The calculated molecular weight of LIN28 is 23 kDa, but the modified LIN28 is about 28 kDa.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

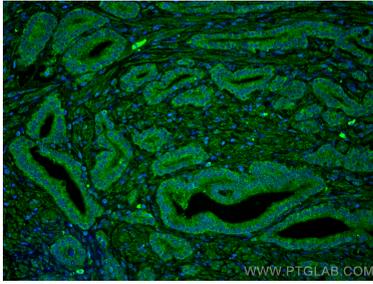
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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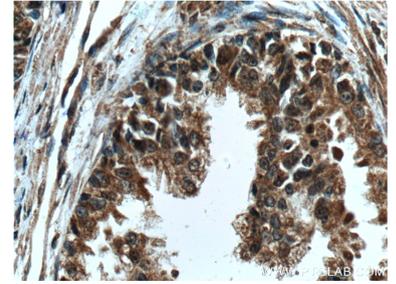
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using LIN28 antibody (60344-1-Ig, Clone: 4F5G6) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60344-1-PBS in a different storage buffer formulation.



NCCIT cell were subjected to SDS PAGE followed by western blot with 60344-1-Ig (LIN28 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60344-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 60344-1-Ig (LIN28 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 60344-1-PBS in a different storage buffer formulation.