

For Research Use Only

# Lin28B-specific Polyclonal antibody

Catalog Number: 16178-1-AP

Featured Product

21 Publications



## Basic Information

### Catalog Number:

16178-1-AP

### Size:

900 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_001004317

### GeneID (NCBI):

389421

### UNIPROT ID:

Q6ZN17

### Full Name:

lin-28 homolog B (C. elegans)

### Calculated MW:

28 kDa

### Observed MW:

27 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IHC 1:50-1:500

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human

### Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**IHC** : human colon cancer tissue, human brain tissue, human spleen tissue, human testis tissue, human kidney tissue, human lung tissue

**IF/ICC** : HepG2 cells,

## Background Information

LIN28B, also named as CSDD2, belongs to the lin-28 family. It acts as a suppressor of microRNA (miRNA) biogenesis by specifically binding the precursor let-7 (pre-let-7). LIN28B is specifically expressed in embryonic muscle, neurons, and epithelia, as well as in embryonic carcinoma cells. However, it is suppressed in most adult tissues except for skeletal and cardiac muscle. LIN28B shares 78% sequence identity with LIN28A. This antibody is specific to LIN28B.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yoshikawa Takeshi T	24023722	PLoS One	WB, IHC
Tong-Peng Xu	36284068	Gastric Cancer	IHC
S Sangiao-Alvarellos	26494358	Sci Rep	IHC

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

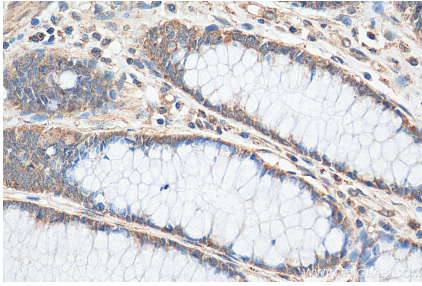
T: 4006900926

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

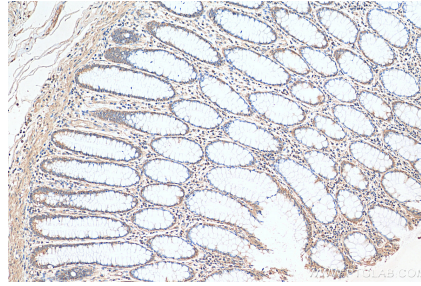
W: [ptgcn.com](http://ptgcn.com)

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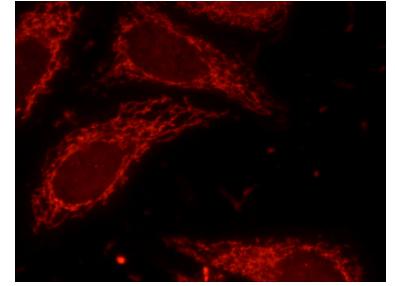
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 16178-1-AP (Lin28B-specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 16178-1-AP (Lin28B-specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells using 16178-1-AP (Lin28B-specific antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.