

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-LIN28



Numéro de catalogue: 11724-1-AP

Phare

45 Publications

Informations de base

Numéro de catalogue:

11724-1-AP

Taille:

150ul , Concentration: 700 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG2312

Numéro d'acquisition GenBank:

BC028566

Identification du gène (NCBI):

79727

Nom complet:

lin-28 homolog (C. elegans)

MW calculé

209 aa, 23 kDa

MW observés:

28 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:1000-1:8000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:200

IF 1:20-1:200

Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

canin, Humain, rat, souris

Contrôles positifs:

WB : cellules K-562, cellules NCCIT, tissu embryonnaire de souris

IP : cellules K-562,

IHC : tissu de cancer de la prostate humain,

IF : cellules souches embryonnaires humaines,

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Informations générales

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[PMID: 20139967]. 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[PMID: 21057460]. 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[PMID: 22078496]. Affinity purified rabbit anti-LIN28 can be used to demonstrate pluripotency of ES and Ips cells, and to detect LIN28 transgene expression in the process of reprogramming. This antibody is a rabbit polyclonal antibody raised against full length LIN28 of human origin. The calculated molecular weight of LIN28 is 23 kDa, but the modified LIN28 is about 28 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Rong Yue Teng	24098084	Onco Targets Ther	IHC
André M Faria	25200669	Clin Endocrinol (Oxf)	IHC
Xiaoming Zhang	24139802	Cell Rep	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

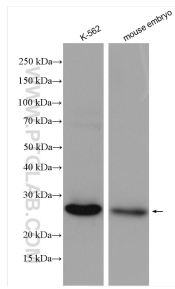
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

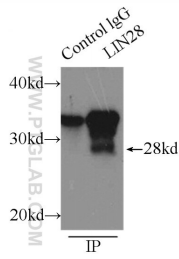
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

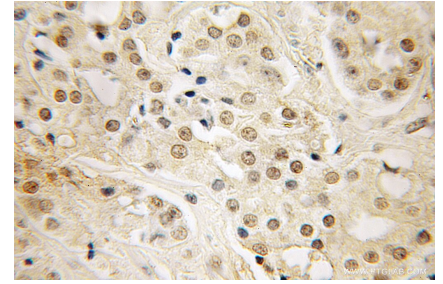
Données de validation sélectionnées



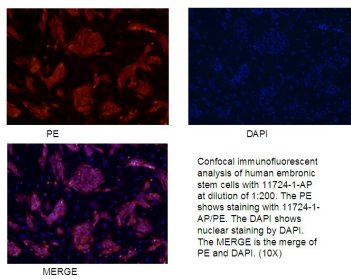
Various lysate were subjected to SDS PAGE followed by western blot with 11724-1-AP (LIN28 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



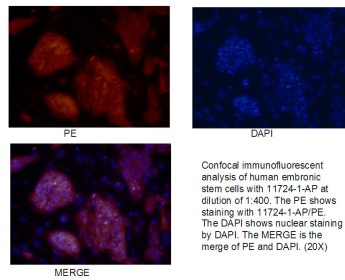
IP Result of anti-LIN28 (IP:11724-1-AP, 3ug; Detection:11724-1-AP 1:500) with K-562 cells lysate 1000ug.



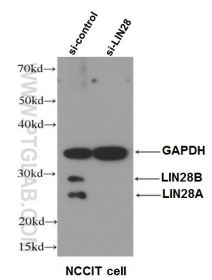
Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11724-1-AP (LIN28 antibody) at dilution of 1:50 (under 40x lens).



Confocal immunofluorescent analysis of human embryonic stem cells with 11724-1-AP at dilution of 1:200. The PE shows staining with 11724-1-AP/PE. The DAPI shows nuclear staining by DAPI. The MERGE is the merge of PE and DAPI. (10X).



Confocal immunofluorescent analysis of human embryonic stem cells with 11724-1-AP at dilution of 1:400. The PE shows staining with 11724-1-AP/PE. The DAPI shows nuclear staining by DAPI. The MERGE is the merge of PE and DAPI. (20X).



WB data of LIN28 antibody (11724-1-AP, 1:500) with si-control and si-LIN28 transfected NCCIT cells.