

For Research Use Only

CoraLite® Plus 488-conjugated LIN28 Monoclonal antibody



Catalog Number: CL488-60344

Basic Information

Catalog Number: CL488-60344	GenBank Accession Number: BC028566	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 79727	CloneNo.: 4F5G6
Source: Mouse	UNIPROT ID: Q9H9Z2	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Full Name: lin-28 homolog (C. elegans)	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG2312	Calculated MW: 209 aa, 23 kDa	
	Observed MW: 28 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : human prostate cancer tissue,
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 -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

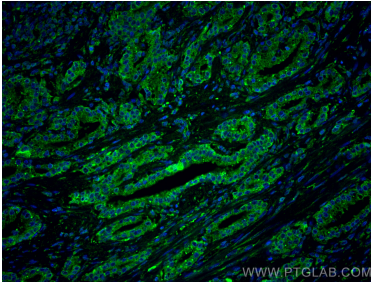
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using CoraLite® Plus 488 LIN28 antibody (CL488-60344, Clone: 4F5G6) at dilution of 1:200.