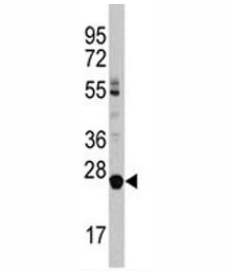
LIN28B Antibody (F44236)

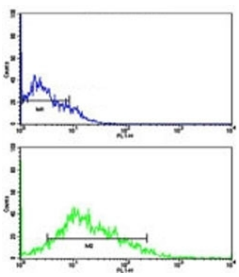
Catalog No.	Formulation	Size
F44236-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F44236-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q6ZN17
Applications	Western blot: 1:1000 Flow Cytometry: 1:10-1:50
Limitations	This LIN28B antibody is available for research use only.



Western blot analysis of LIN28B antibody and HL-60 lysate. Predicted molecular weight ~27 kDa.



Flow cytometric analysis of HL-60 cells using LIN28B antibody (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

Lin-28 homolog B (LIN28B) is overexpressed in hepatocellular carcinoma. The heterochronic gene lin-28 is a key regulator of developmental timing in the nematode Caenorhabditis elegans. Similar with lin-28 proteins, LIN28B conserves a cold shock domain and a pair of CCHC zinc finger domains. Phylogenetic analysis suggests that they might arise as a result of duplication from an ancestral gene. Overexpression of LIN28B was noted in most HCC cell lines and clinical samples. A short LIN28B isoform was also identified in non-tumor liver tissue and fetal liver. Although predominantly localized in the cytoplasm, LIN28B protein shows cell cycle-dependent nuclear translocation in Huh7 cells. Induced expression of exogenous LIN28B in a tet-off cell line promoted cancer cell proliferation.

Application Notes

Titration of the LIN28B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 218-250 from the human protein was used as the immunogen for this LIN28B antibody.

Storage

Aliquot the LIN28B antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Copyright © NSJ Bioreagents. All rights reserved.