

Rabbit anti-Human LIN28B Polyclonal Antibody | anti-LIN28B antibody

LIN28B Antibody (N-term)

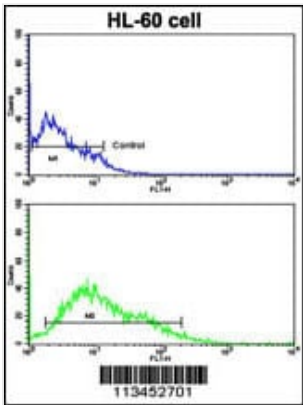
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286783	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

LIN28B; Polyclonal Antibody; LIN28B Antibody (N-term); Protein lin-28 homolog B; Lin-28B; CSDD2; anti-LIN28B antibody

PRODUCT SPECIFICATIONS

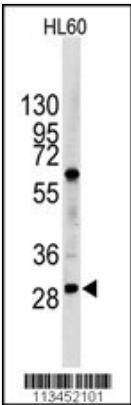
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This LIN28B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human LIN28B.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	180
Applicable Applications for anti-LIN28B antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



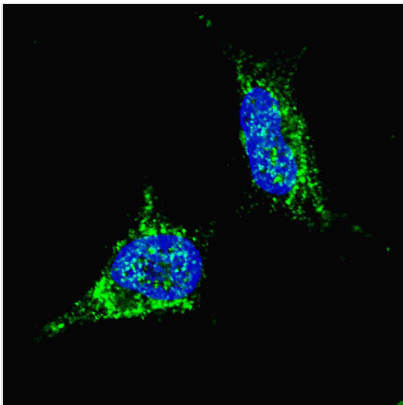
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of HL-60 cells using LIN28B Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human Testis tissue reacted with LIN28B Antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of LIN28B Antibody (N-term) in HL60 cell line lysates (35ug/lane). LIN28B (arrow) was detected using the purified Pab.



IF (Immunofluorescence)
Fluorescent confocal image of SY5Y cells stained with LIN28B (N-term) antibody. SY5Y cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.2%, 30 min). Cells were then incubated with AAA286783 LIN28B (N-term) primary antibody (1:100, 2 h at room temperature). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:1000, 1h). Nuclei were counterstained with Hoechst 33342 (blue) (10 ug/ml, 5 min). Note the highly specific localization of the LIN28B immunosignal to the cytoplasm, supported by Human Protein Atlas Data (<http://www.proteinatlas.org/ENSG00000187772>).

ADDITIONAL INFORMATION

Related Product Information for anti-LIN28B antibody	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 <i>Caenorhabditis elegans</i> . 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.
Product Categories/Family for anti-LIN28B antibody	Cancer

References	References for protein: Guo,Y., Gene 384, 51-61 (2006) References for SY5Y (SH-SY5Y; #CRL-2266): 1. Ross RA, et al. Coordinate morphological and biochemical interconversion of human neuroblastoma cells. J. Natl. Cancer Inst. 71: 741-749, 1983. [PubMed: 6137586]; 2. Biedler JL, et al. Multiple neurotransmitter synthesis by human neuroblastoma cell lines and clones. Cancer Res. 38: 3751-3757, 1978. [PubMed: 29704].
------------	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	51972214
NCBI GeneID	389421
NCBI Accession #	NP_001004317.1
NCBI GenBank Nucleotide #	NM_001004317.3
UniProt Accession #	Q6ZN17; Q5TCM4; A1L165; B2RPN6
Molecular Weight	27084
NCBI Official Full Name	protein lin-28 homolog B
NCBI Official Synonym Full Names	lin-28 homolog B (C. elegans)
NCBI Official Symbol	LIN28B
NCBI Official Synonym Symbols	CSDD2
NCBI Protein Information	protein lin-28 homolog B
UniProt Protein Name	Protein lin-28 homolog B
UniProt Gene Name	LIN28B
UniProt Synonym Gene Names	CSDD2; Lin-28B
UniProt Entry Name	LN28B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.