
Product Name: KD-Validated Lin-28 Homolog B Mouse Monoclonal Antibody**Catalog #: KVA00600**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1 kappa
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 27.1kDa

Antigen Information

Gene Name	LIN28B
Alternative Names	LIN28B; Lin-28 Homolog B; CSDD2; Protein Lin-28 Homolog B; FLJ16517; Lin-28B; Lin-28 Homolog B (C. Elegans); Lin-28.2
Gene ID	389421.0
SwissProt ID	Q6ZN17
Immunogen	Recombinant protein of human LIN28B

Background

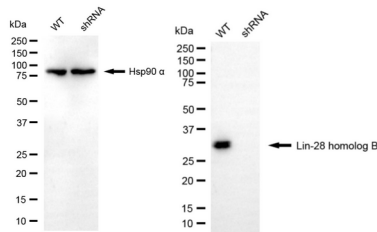
The protein encoded by this gene belongs to the lin-28 family, which is characterized by the presence of a cold-shock domain and a pair of CCHC zinc finger domains. This gene is highly expressed in testis, fetal liver, placenta, and in primary human tumors and cancer cell lines. It is negatively regulated by microRNAs that target sites in the 3' UTR, and overexpression of this

gene in primary tumors is linked to the repression of let-7 family of microRNAs and derepression of let-7 targets, which facilitates cellular transformation. [provided by RefSeq, Jun 2012]

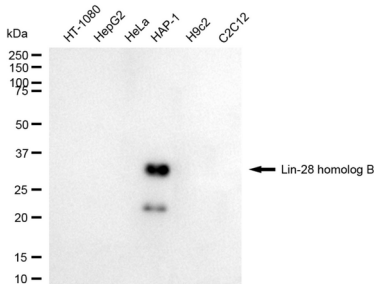
Research Area

Epigenetics and Nuclear Signaling,Cancer

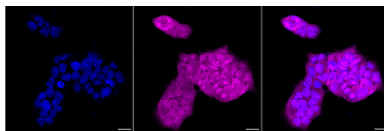
Image Data



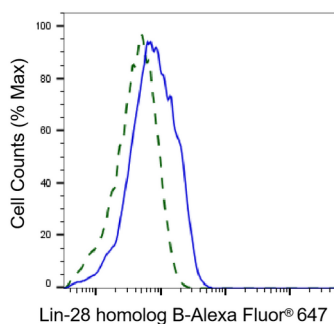
Western blotting analysis using lin-28 homolog B antibody (KVA00600). Lin-28 homolog B expression in wild-type (WT) and lin-28 homolog B (LIN28B) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with lin-28 homolog B antibody (KVA00600, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



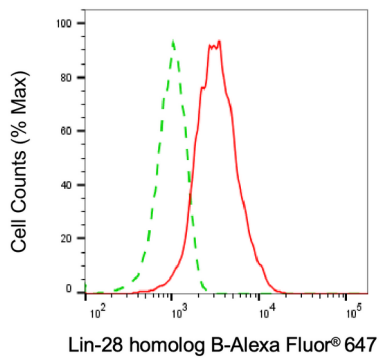
Western blotting analysis using lin-28 homolog B antibody (KVA00600). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with lin-28 homolog B antibody (KVA00600, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HAP-1 cells with Lin-28 homolog B antibody (KVA00600, 1:1,000). Nuclei were stained blue with DAPI; Lin-28 homolog B was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of Lin-28 homolog B knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Lin-28 homolog B antibody (KVA00600, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Lin-28 homolog B expression in HAP-1 cells using Lin-28 homolog B antibody (KVA00600, 1:2,000). Green, isotype control; red, Lin-28 homolog B.