

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

Anti-LIN28B Antibody Picoband

CATALOG # AAA127018	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

LIN28B; Polyclonal Antibody; Anti-LIN28B Antibody Picoband; ATP binding cassette subfamily C member 8; ATP-binding cassette sub-family C member 8; Sulfonylurea receptor 1; ABCC8; HRINS; SUR; SUR1; anti-LIN28B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-LIN28B antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human LIN28B recombinant protein (Position: E23-K249).
Subcellular Localization	Cell membrane
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Subunit of the beta-cell ATP-sensitive potassium channel (KATP). Regulator of ATP-sensitive K (+) channels and insulin release.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of LIN28B using anti-LIN28B antibody (AAA127018).LIN28B was detected in a paraffin-embedded section of human placenta tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-LIN28B Antibody (AAA127018) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)
Figure 1. Western blot analysis of LIN28B using anti-LIN28B antibody (AAA127018).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human 293T whole cell lysates,Lane 2: human HepG2 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LIN28B antigen affinity purified polyclonal antibody (#AAA127018) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for LIN28B at approximately 35 kDa. The expected band size for LIN28B is at 27 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-LIN28B antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-LIN28B antibody	Primary Antibodies; Atherosclerosis; Cancer; Cancer Metabolism; Cardiovascular; Channels; Diabetes; Diabetes-associated; Drug Metabolism; Energy Transfer Pathways; Heart Disease; Integration Of Energy; Integration Of Energy Metabolism; Metabolic Signaling
References	1. Basak, A., Munschauer, M., Lareau, C. A., Montbleau, K. E., Ulirsch, J. C., Hartigan, C. R., Schenone, M., Lian, J., Wang, Y., Huang, Y., Wu, X., Gehrke, L., and 9 others. Control of human hemoglobin switching by LIN28B-mediated regulation of BCL11A translation. Nature Genet. 52: 138-145, 2020. 2. Guo, Y., Chen, Y., Ito, H., Watanabe, A., Ge, X., Kodama, T., Aburatani, H. Identification and characterization of lin-28 homolog B (LIN28B) in human hepatocellular carcinoma. Gene 384: 51-61, 2006. 3. Molenaar, J. J., Domingo-Fernandez, R., Ebus, M. E., Lindner, S., Koster, J., Drabek, K., Mestdagh, P., van Sluis, P., Valentijn, L. J., van Nes, J., Broekmans, M., Haneveld, F., and 18 others. LIN28B induces neuroblastoma and enhances MYCN levels via let-7 suppression. Nature Genet. 44: 1199-1206, 2012.

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	19,511 Da
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; Lin-28.2; lin-28B
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lin28b-antibody-immunohistochemistry-western-blot-elisa/127018>