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DATA SHEET

Rabbit Anti-LIN28 [EP150]: RM0119, RM0119RTU7

Intended Use: For Research Use Only

Description: LIN28 is a highly conserved, RNA-binding protein (RBP). It plays an important role as a translational enhancer, leading specific mRNAs to polysomes and therefore increasing the competence of protein synthesis. LIN28 was identified as a negative regulator of miRNA biogenesis and suggested to play a central role in blocking miRNA-mediated differentiation in stem cells and certain cancers. LIN28 is expressed by various undifferentiated embryonic cell types. Anti- LIN28 has been used as a sensitive marker for germ cell tumors. The positive staining of LIN28 in yolk sac tumors showed an advantage over OCT4, which is negative in these tumors. The nuclear reactivity of this antibody maybe observed in the myoepithelial cells of the salivary gland.

Specifications

Clone:	EP150
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	A synthetic peptide corresponding to residues of the human LIN28A protein C-terminus
Localization:	Cytoplasm, nucleus
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, ELISA, WB

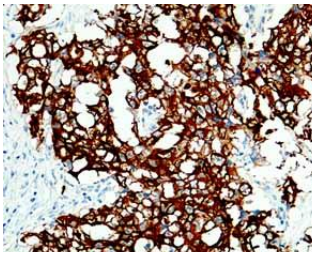
Package:

Description	Catalog No.	Size
LIN28 Concentrated	RM0119	1 ml
LIN28 Prediluted	RM0119RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Germ cell tumor
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human seminoma stained with anti-LIN28 using DAB

References:

1. Rab5 and Alsin regulate stress-activated cytoprotective signaling on mitochondria. Hsu, F., Spannl, S. et al. eLife on 22 February 2018.
2. Analysis of LIN28A in early human ovary development and as a candidate gene for primary ovarian insufficiency. by El-Khairi, R., Parnaik, R., et al. Molecular and Cellular Endocrinology on 4 April 2012.
3. SOX2-LIN28/let-7 pathway regulates proliferation and neurogenesis in neural precursors. Cimadamore F et al. Proc Natl Acad Sci U S A. 2013.

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