bs-8443R **[Primary Antibody]**

Lin28 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 79727 **SWISS:** Q9H9Z2

Target: Lin28

Immunogen: KLH conjugated synthetic peptide derived from human Lin28: 75-180/209.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: LIN-28 is a highly conserved, RNA-binding, cytoplasmic protein. It consists of a cold shock domain and retroviral-type (CCHC) zinc finger motifs that were first identified in Caenorhabditis elegans. LIN-28 controls the timing of events during embryonic development and is readily expressed in embryos, embryonic stem cells and embryonal carcinoma cells. The presence of LIN-28 persists in some adult tissues including cardiac and skeletal muscle. In differentiating myoblasts, LIN-28 increases protein synthesis efficiency and binds to the growth and differentiation factor IGF-II.

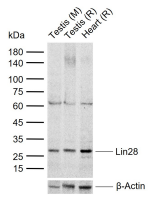
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:50-200)

Reactivity: Mouse, Rat
(predicted: Human, Rabbit, Pig, Sheep, Cow, Horse)

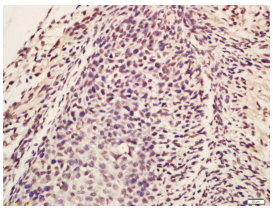
Predicted MW.: 29 kDa

Subcellular Location: Cytoplasm ,Nucleus

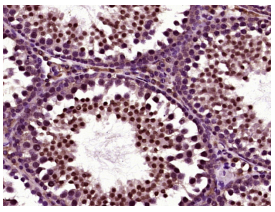
VALIDATION IMAGES



Sample: Lane 1: Mouse Testis tissue lysates Lane 2: Rat Testis tissue lysates Lane 3: Rat Heart tissue lysates Primary: Anti-Lin28 (bs-8443R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 29 kDa Observed band size: 28 kDa



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-Lin28 Polyclonal Antibody, Unconjugated(bs-8443R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Lin28) Polyclonal Antibody, Unconjugated (bs-8443R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

SELECTED CITATIONS

- **[IF=6.1]** Jun Liu. et al.LIN28A-dependent lncRNA NEAT1 aggravates sepsis-induced acute respiratory distress syndrome through destabilizing ACE2 mRNA by RNA methylation.JOURNAL OF TRANSLATIONAL MEDICINE.2025 Jan 6;23(1):15. Western blot ;Mouse. 39762837