LIN-28 (C-9): sc-374460

**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.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: LIN28A (human) mapping to 1p36.11.

**SOURCE**

LIN-28 (C-9) is a mouse monoclonal antibody raised against amino acids 1-44 mapping at the N-terminus of LIN-28 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG₂κ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin. Also available as TransCruz reagent for Gel Supershift and ChIP applications, sc-374460 X, 200 µg/0.1 ml.

LIN-28 (C-9) is available conjugated to agarose (sc-374460 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-374460 HRP), 200 µg/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-374460 PE), fluorescein (sc-374460 FITC), Alexa Fluor® 488 (sc-374460 AF488), Alexa Fluor® 546 (sc-374460 AF546), Alexa Fluor® 594 (sc-374460 AF594) or Alexa Fluor® 647 (sc-374460 AF647), 200 µg/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor® 680 (sc-374460 AF680) or Alexa Fluor® 790 (sc-374460 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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**APPLICATIONS**

LIN-28 (C-9) is recommended for detection of LIN-28 of human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1:1000), immunoassay (1-2 µg per 100-500 µg of total protein (1 ml of cell lysate), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:300).

Suitable for use as control antibody for LIN-28 siRNA (h): sc-106829, LIN-28 shRNA Plasmid (h): sc-106829-Sh and LIN-28 shRNA (h) Lentiviral Particles: sc-106829-V.

LIN-28 (C-9) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP, sc-516102 or m-IgGκ BP-HRP (Cruz Marker); sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use m-IgGκ BP-FITC, sc-516140 or m-IgGκ BP-PE, sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-358850.

**DATA**

**SELECT PRODUCT CITATIONS**


**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.