

hnRNP A/B (H-63): sc-98723

BACKGROUND

Heterogeneous nuclear ribonucleoproteins (hnRNPs) constitute a set of polypeptides that contribute to pre-mRNA processing and transport, and also bind heterogeneous nuclear RNA (hnRNA), which are the transcripts produced by RNA polymerase II. The hnRNPs are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. hnRNP A/B (heterogeneous nuclear ribonucleoprotein A/B), also known as HNRNPAB, ABBP1 or HNRPAB, is a 332 amino acid nuclear protein that is ubiquitously expressed. hnRNP A/B binds single-stranded RNA and has a high affinity for G-rich and U-rich regions of hnRNA. hnRNP A/B contains two RRM (RNA recognition motif) domains and interacts with APOBEC1 (apolipoprotein B mRNA editing enzyme complex-1).

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: HNRNPAB (human) mapping to 5q35.3; Hnrnpab (mouse) mapping to 11 B1.3.

SOURCE

hnRNP A/B (H-63) is a rabbit polyclonal antibody raised against amino acids 1-63 mapping at the N-terminus of hnRNP A/B of human origin.

PRODUCT

Each vial contains 200 μ g IgG 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-98723 X, 200 μ g/0.1 ml.

APPLICATIONS

hnRNP A/B (H-63) is recommended for detection of hnRNP A/B of human and, to a lesser extent, mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g 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 1:30-1:3000).

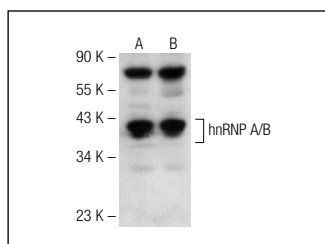
Suitable for use as control antibody for hnRNP A/B siRNA (h): sc-75271, hnRNP A/B siRNA (m): sc-75272, hnRNP A/B shRNA Plasmid (h): sc-75271-SH, hnRNP A/B shRNA Plasmid (m): sc-75272-SH, hnRNP A/B shRNA (h) Lentiviral Particles: sc-75271-V and hnRNP A/B shRNA (m) Lentiviral Particles: sc-75272-V.

hnRNP A/B (H-63) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of hnRNP A/B: 37 kDa.

Positive Controls: K-562 whole cell lysate: sc-2203, HeLa whole cell lysate: sc-2200 or Daudi cell lysate: sc-2415.

DATA



hnRNP A/B (H-63): sc-98723. Western blot analysis of hnRNP A/B expression in HeLa (A) and K-562 (B) whole cell lysates.

STORAGE

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

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

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Try **hnRNP A/B (G-10): sc-376411** or **hnRNP A/B (G-12): sc-390957**, our highly recommended monoclonal alternatives to hnRNP A/B (H-63).