SANTA CRUZ BIOTECHNOLOGY, INC.

ZRSR2 (J-17): sc-130001

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

The removal of introns from a transcribed pre-mRNA segment is facilitated by a complex known as the spliceosome. Spliceosome assembly is initiated by the binding of U1 small nuclear ribonucleoprotein particle (U1 SnRNP) to the 5' splice site and the U2 SnRNP auxiliary factor (U2AF) to the pyrimidine tract. ZRSR2, also known as U2 small nuclear ribonucleoprotein auxiliary factor 35 kDa subunit-related protein 2 (U2AF1RS2), U2AF01RS2 or U2AF1L2, is a 482 amino acid protein that is related to U2AF35. ZRSR2 has been shown to interact with U2AF65 and SR proteins in the splicing of pre-mRNA. Localized to the nucleus, ZRSR2 contains 2 C_3H_1-type zinc fingers and one RNA recognition motif (RRM) domain, a 90 amino acid region that is responsible for RNA-binding.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ZRSR2 (human) mapping to Xp22.2.

SOURCE

ZRSR2 (J-17) is a purified rabbit polyclonal antibody raised against ZRSR2 of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

ZRSR2 (J-17) is recommended for detection of ZRSR2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [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), immunohistochemistry (including paraffin-embedded sections) (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 ZRSR2 siRNA (h): sc-90951, ZRSR2 shRNA Plasmid (h): sc-90951-SH and ZRSR2 shRNA (h) Lentiviral Particles: sc-90951-V.

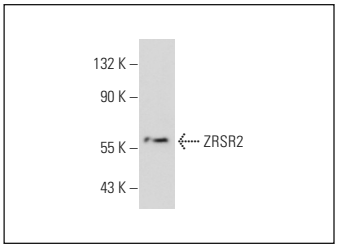
Molecular Weight of ZRSR2: 58 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227 or K-562 nuclear extract: sc-2130.

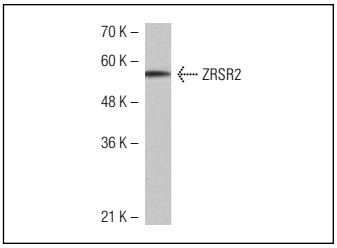
RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 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 goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941. 4) Immunohistochemistry: use ImmunoCruz™: sc-2051 or ABC: sc-2018 rabbit IgG Staining Systems.

DATA



ZRSR2 (J-17): sc-130001. Western blot analysis of ZRSR2 expression in K-562 nuclear extract.



ZRSR2 (J-17): sc-130001. Western blot analysis of ZRSR2 expression in Hep G2 whole cell lysate.

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.