SANTA CRUZ BIOTECHNOLOGY, INC.

IVNS1ABP (C-17): sc-69502

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The Power to Question

BACKGROUND

IVNS1ABP (influenza virus NS1A binding protein), also known as ARA3, FLARA3, KIAA0850, NS1 or NS1BP, is a 642 amino acid protein that localizes to both the nucleus and the cytoplasm and contains one BACK domain, one BTB (POZ) domain and 6 Kelch repeats. Functioning as a homodimer that is connected via its BTB domain, IVNS1ABP associates with F-actin and, via this association, plays an important role in the organization and stabilization of the actin skeleton. Due to its role in cytoskeletal function, IVNS1ABP participates in a variety of events throughout the cell, including the regulation of cell division and pre-mRNA splicing, the activation of the ERK signaling pathway and the protection of neurons from dendritic spines.

CHROMOSOMAL LOCATION

Genetic locus: IVNS1ABP (human) mapping to 1q25.3; Ivns1abp (mouse) mapping to 1 G2.

SOURCE

IVNS1ABP (C-17) is an affinity purified goat polyclonal antibody raised against a peptide mapping near the C-terminus of IVNS1ABP of human origin.

PRODUCT

Each vial contains 200 µg 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-69502 X, 200 µg/0.1 ml.

Blocking peptide available for competition studies, sc-69502 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

RESEARCH USE

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

APPLICATIONS

IVNS1ABP (C-17) is recommended for detection of IVNS1ABP of mouse, rat and 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) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

IVNS1ABP (C-17) is also recommended for detection of IVNS1ABP in additional species, including canine, bovine, porcine and avian.

Suitable for use as control antibody for IVNS1ABP siRNA (h): sc-75349, IVNS1ABP siRNA (m): sc-75350, IVNS1ABP shRNA Plasmid (h): sc-75349-SH, IVNS1ABP shRNA Plasmid (m): sc-75350-SH, IVNS1ABP shRNA (h) Lentiviral Particles: sc-75349-V and IVNS1ABP shRNA (m) Lentiviral Particles: sc-75350-V.

IVNS1ABP (C-17) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

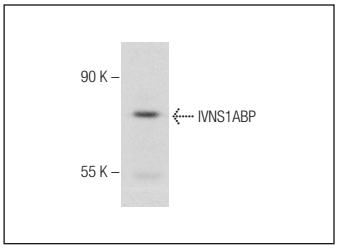
Molecular Weight of IVNS1ABP: 70 kDa.

Positive Controls: HeLa nuclear extract: sc-2120 or KNRK nuclear extract : sc-2141.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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 donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



IVNS1ABP (C-17): sc-69502. Western blot analysis of IVNS1ABP expression in KNRK nuclear extract.

STORAGE

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

PROTOCOLS

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