SANTA CRUZ BIOTECHNOLOGY, INC.

HIVEP1 (V-14): sc-107596

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The Power to Question

BACKGROUND

HIVEP1 (human immunodeficiency virus type I enhancer binding protein 1), also known as CIRIP (cirhin interaction protein), MBP-1 (major histocompatibility complex binding protein 1), ZNF40, CRYBP1 (αA-crystallin binding protein 1) or PRDII-BF1 (positive regulatory domain II binding factor 1), is a large DNA-binding protein that belongs to the ZAS family. HIVEP1 contains a pair of C_2H_2 zinc fingers with a serine/threonine-rich sequence and an acidic-rich region, as well as a ZAS domain. It is ubiquitously expressed and is directly involved in the transcriptional regulation of a variety of genes. There are homologs of this gene in *D. melanogaster* and *C. elegans*. In humans, HIVEP1 interacts with the IFN-β promoter and enhancer in the HIV-1 long terminal repeat. It specifically binds to the DNA sequence 5'-GGGACTTTCC-3'. Various isoforms of HIVEP1 exist due to alternative splicing events. HIVEP1 may also participate in T-cell activation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: HIVEP1 (human) mapping to 6p24.1; Hivep1 (mouse) mapping to 13 A4.

SOURCE

HIVEP1 (V-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of HIVEP1 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-107596 X, 200 µg/0.1 ml.

Blocking peptide available for competition studies, sc-107596 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

HIVEP1 (V-14) is recommended for detection of HIVEP1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), 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); non cross-reactive with family member HIVEP1.

Suitable for use as control antibody for HIVEP1 siRNA (h): sc-95382, HIVEP1 siRNA (m): sc-146039, HIVEP1 shRNA Plasmid (h): sc-95382-SH, HIVEP1 shRNA Plasmid (m): sc-146039-SH, HIVEP1 shRNA (h) Lentiviral Particles: sc-95382-V and HIVEP1 shRNA (m) Lentiviral Particles: sc-146039-V.

HIVEP1 (V-14) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of HIVEP1: 300 kDa.

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) 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.

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.