

SSBP3 (C-13): sc-103960

BACKGROUND

The single-stranded-DNA-binding proteins (SSBs) are essential for DNA function in prokaryotic and eukaryotic cells, as well as in mitochondria, bacteria and viruses. SSBP3 (single stranded DNA binding protein 3), also known as CSDP or SSDP, is a 388 amino acid protein that localizes to the nucleus and contains one LisH domain. Highly expressed in spleen, bone marrow, thymus, lymph node, kidney, brain, heart and skeletal muscle, SSBP3 binds to the single-stranded polypyrimidine sequences in the promotor of COLA2 genes and is thought to regulate the transcription of COLA2 genes. SSBP3 is expressed as multiple alternatively spliced isoforms that are encoded by a gene which maps to human chromosome 1.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: SSBP3 (human) mapping to 1p32.3; Ssbp3 (mouse) mapping to 4 C7.

SOURCE

SSBP3 (C-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of SSBP3 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.

Blocking peptide available for competition studies, sc-103960 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-103960 X, 200 µg/0.1 ml.

APPLICATIONS

SSBP3 (C-13) is recommended for detection of SSBP3 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 other SSBP family members.

SSBP3 (C-13) is also recommended for detection of SSBP3 in additional species, including bovine and avian.

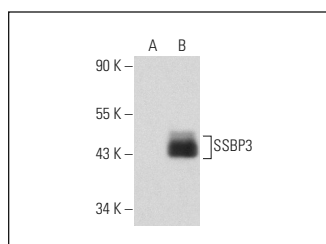
Suitable for use as control antibody for SSBP3 siRNA (h): sc-88054, SSBP3 siRNA (m): sc-106565, SSBP3 shRNA Plasmid (h): sc-88054-SH, SSBP3 shRNA Plasmid (m): sc-106565-SH, SSBP3 shRNA (h) Lentiviral Particles: sc-88054-V and SSBP3 shRNA (m) Lentiviral Particles: sc-106565-V.

SSBP3 (C-13) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

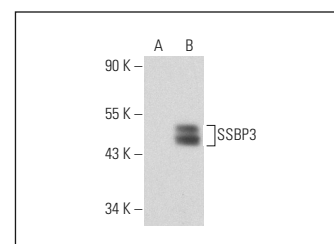
Molecular Weight of SSBP3: 40 kDa.

Positive Controls: SSBP3 (h): 293T Lysate: sc-117048, SSBP3 (m3): 293T Lysate: sc-110354 or K-562 whole cell lysate: sc-2203.

DATA



SSBP3 (C-13): sc-103960. Western blot analysis of SSBP3 expression in non-transfected: sc-117752 (A) and mouse SSBP3 transfected: sc-110354 (B) 293T whole cell lysates.



SSBP3 (C-13): sc-103960. Western blot analysis of SSBP3 expression in non-transfected: sc-117752 (A) and human SSBP3 transfected: sc-117048 (B) 293T 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.