

Anti-Human SSBP4, monoclonal (clone JH97.1.3B5)

Recommended name: Single-stranded DNA-binding protein 4

Alternative name(s): n/a

Cat. No. m14-286
Lot. No. 20140812.DNF

Quantity: 100 µg
Storage: -20 °C



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

DATASHEET Page 1 of 2

Uniprot / NCBI Summary

UniProt

Primary Accession # [Q9BVG4](#)
Secondary Accession # [n/a](#)

NCBI

GI # [12653022](#)
GeneID [170463](#)
Accession # [BC000274](#)
GenBank Nucleotide # [n/a](#)

Molecular Weight 39,388 Da (385 aa)

General Reference:

Castro P, Liang H, Liang JC, Nagarajan L (2002) A novel, evolutionarily conserved gene family with putative sequence-specific single-stranded DNA-binding activity. *Genomics* 80:78-85. [[PubMed](#)]

Physical Characteristics

Quantity: 100 µg

Concentration: 1.0 mg/ml

Host / Isotype: mouse IgG2b

Clonality: monoclonal; ID JH97.1.3B5

Immunogen: recombinant protein corresponding to aa residues 338-443 of human SSBP4

Purification: affinity-chromatography using Protein G

Formulation: 30% glycerol, 1x PBS, 0.02% sodium azide

Specificity: monospecific for human SSBP4; see microarray analysis below

Reactivity: human

Stability/Storage: 12 months long term: -20 °C; short term: 4 °C; avoid freeze-thaw cycles; aliquot as required

Handling Notes: small volumes of antibody may occasionally become entrapped in the seal of the product vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container cap.

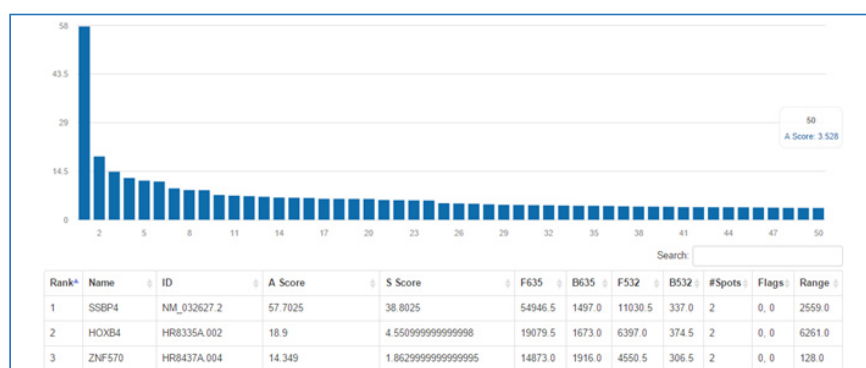
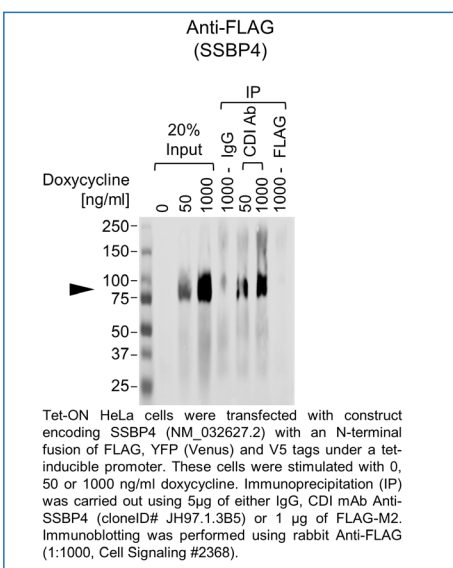
Tested Research Applications

Immunoprecipitation: recommended; see below.

ChIP-Seq: recommended; see page 2

Western Blot: tested on cells transfected with a construct encoding SSBP4; utility on native cells under evaluation

Quality Assurance



Specificity Analysis with HuProt™ Human Proteome Microarray: Anti Human SSBP4 (clone JH97.1.3B5) was analyzed using the CDI HuProt™ Human Proteome Microarray.

For more information on A/S scores and how they relate to specificity, see page 2.

Anti-Human SSBP4, monoclonal (clone JH97.1.3B5)

Recommended name: Single-stranded DNA-binding protein 4
Alternative name(s): n/a

Cat. No. m14-286
Lot. No. 20140812.DNF

Quantity: 100 µg
Storage: -20°C



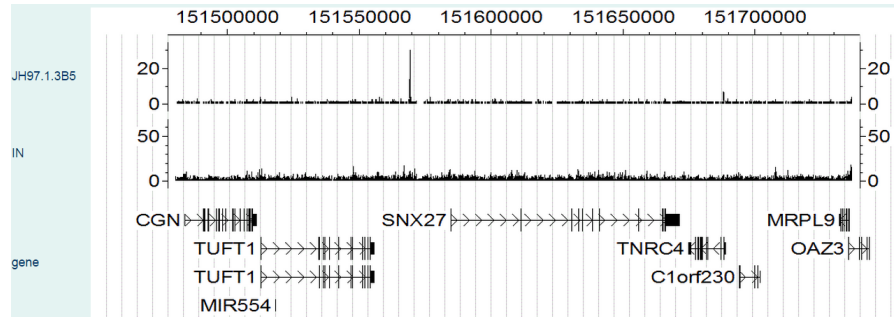
FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

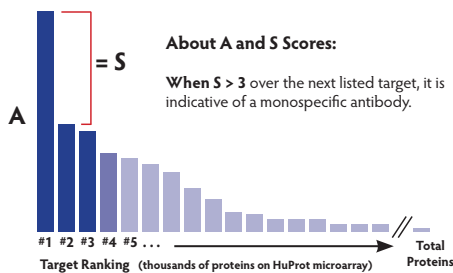
DATASHEET Page 2 of 2

Tested Research Applications

ChIP-Seq: Recommended



The ChIP was performed with chromatin from 10 million HCT116 cells or HeLa cells and 3 µg of Anti-SSBP4 (cloneID # JH97.1.3B5) antibody. The ChIP DNA was sequenced on an Illumina HiSeq platform and read counts were calculated at consecutive 100 bp bins across the human genome hg19. Normalized read-count levels for ChIP-seq of SSBP4 (JH97.1.3B5) and control (IN) around the SNX27 loci are displayed in the CisGenome browser.



Statistical Analysis: Thousands of GenePix data points (from the microarray) are analyzed in terms of signal strength and ranked accordingly.

SUMMARY: The A-score indicates the number of standard deviations above background seen for the mean signal bound by the target antigen. The S-score represents the difference between the A-score of the target antigen and the next best hit on the array. S-scores **greater than 3 standard deviations over the next listed target** are deemed statistically significant and indicate **highly specific antibodies**. More info at cdi-lab.com/HighSpec.html

The development of this antibody was supported by the National Institutes of Health Protein Capture Reagent Program under award U54HG06434 to CDI Laboratories and Johns Hopkins University.

Guanajibo Research and Innovation Park
4005 St B Road 114 Km 1.3
Mayaguez, PR 00682

T 787.806-4100 Ext 233
F 787.806-4006
www.cdi-lab.com

© CDI Laboratories 2016.
For research use only. Not for use in humans or for diagnostics.
Lot-specific Datasheet version tracker: v1.0.0

