

Rabbit MtSSB Polyclonal Antibody | anti-MtSSB antibody

MtSSB Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323942	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

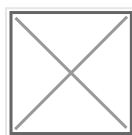
PRODUCT SYNONYMS

MtSSB; Polyclonal Antibody; MtSSB Antibody; mitochondrial; Mt SSB; Mt-SSB; PWP1 interacting protein 17; PWP1-interacting protein 17; SENSOR OF SINGLE-STRANDED DNA COMPLEX; Single stranded DNA binding protein 1; Single stranded DNA binding protein; Single stranded DNA binding protein mitochondrial; Single-stranded DNA-binding protein; SOSS B1; SOSS COMPLEX; SUBUNIT B1; SSBP 1; SSBP; SSBP_HUMAN; SSBP1; anti-MtSSB antibody

PRODUCT SPECIFICATIONS

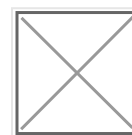
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MtSSB antibody detects endogenous levels of total MtSSB
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	148
Applicable Applications for anti-MtSSB antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Mitochondrion.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA323942 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)

AAA323942 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HeLa cells using MtSSB antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MtSSB antibody

Function: This protein binds preferentially and cooperatively to ss-DNA. Probably involved in mitochondrial DNA replication. Associates with mitochondrial DNA.
Subunit Structure: Homotetramer (By similarity). Interacts with MPG/AAG, through inhibition of its glycosylase activity it potentially prevents formation of DNA breaks in ssDNA, ensuring that base removal primarily occurs in dsDNA.

NCBI AND UNIPROT INFORMATION

NCBI GI #	374671775
NCBI GeneID	6742
NCBI Accession #	NP_001243439.1
NCBI GenBank Nucleotide #	NM_001256510.1
UniProt Accession #	Q04837
Molecular Weight	Observed: 17 kD Predicted: 18 kDa
NCBI Official Full Name	single-stranded DNA-binding protein, mitochondrial
NCBI Official Synonym Full Names	single stranded DNA binding protein 1
NCBI Official Symbol	SSBP1
NCBI Official Synonym Symbols	SSBP; mtSSB; Mt-SSB; SOSS-B1
NCBI Protein Information	single-stranded DNA-binding protein, mitochondrial
UniProt Protein Name	Single-stranded DNA-binding protein, mitochondrial
UniProt Gene Name	SSBP1
UniProt Synonym Gene Names	SSBP; Mt-SSB; MtSSB

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mtssb-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/323942>