

# Immunotag™ SSBP1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT4426
Product Description	Immunotag™ SSBP1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	SSBP1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	Synthesized peptide derived from SSBP1, at AA range: 70-150
Specificity	SSBP1 Polyclonal Antibody detects endogenous levels of SSBP1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	SSBP1
Accession No.	Q04837 Q9CYR0 P28042
Alternate Names	SSBP1; SSBP; Single-stranded DNA-binding protein; mitochondrial; Mt-SSB; MtSSB; PWP1-interacting protein 17

## Antibody Specification

Description	single stranded DNA binding protein 1(SSBP1) Homo sapiens SSBP1 is a housekeeping gene involved in mitochondrial biogenesis (Tiranti et al., 1995 [PubMed 7789991]). It is also a subunit of a single-stranded DNA (ssDNA)-binding complex involved in the maintenance of genome stability (Huang et al., 2009) [PubMed 19683501].[supplied by OMIM, Feb 2010],
Cell Pathway/ Category	DNA replication,Mismatch repair,Homologous recombination,
Protein Expression	Amygdala,Brain,Cervix,Prostate,
Subcellular Localization	nucleus,mitochondrion,mitochondrial matrix,mitochondrial nucleoid,extracellular exosome,
Protein Function	function:This protein binds preferentially and cooperatively to ss-DNA. Probably involved in mitochondrial DNA replication.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 SSB domain.,subunit:Homotetramer.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.