

SSBP1 polyclonal antibody

Catalog: BS30832

Host: Rabbit

Reactivity: Human

BackGround:

Single-stranded DNA-binding protein, mitochondrial: Binds preferentially and cooperatively to pyrimidine rich single-stranded DNA (ss-DNA) . In vitro, required to maintain the copy number of mitochondrial DNA (mtDNA) and plays a crucial role during mtDNA replication by stimulating the activity of the replisome components POLG and TWNK at the replication fork . Promotes the activity of the gamma complex polymerase POLG, largely by organizing the template DNA and eliminating secondary structures to favor ss-DNA conformations that facilitate POLG activity . In addition it is able to promote the 5'-3' unwinding activity of the mtDNA helicase TWNK . May also function in mtDNA repair

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~17.3 kDa

Swiss-Prot:

Q04837

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/ICC (1/100 - 1/500)

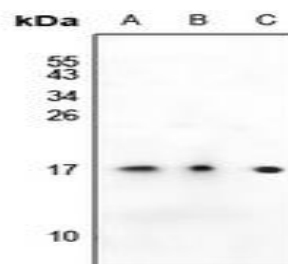
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

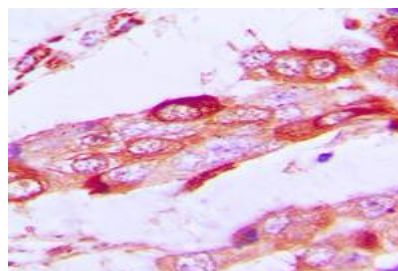
Specificity:

Recognizes endogenous levels of SSBP1 protein.

DATA:



Western blot analysis of PEX1 expression in MCF7 (A) whole cell lysates.



Note:

For research use only, not for use in diagnostic procedure.

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