



PRODUCT DATA SHEET

Bioworld Technology, Inc.

SWSAP1 polyclonal antibody

Catalog: BS33806

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

ATPase SWSAP1: Single-stranded DNA-stimulated ATPase involved in DNA double-strand break (DSB) repair via homologous recombination (HR). Forms a heterodimeric complex with ZSWIM7/SWS1 that promotes HR by regulating replication protein-A (RPA) dynamics on single-stranded DNA, thereby stabilizing RAD51 and DMC1 filaments on DNA. The SWSAP1-ZSWIM7/SWS1 heterodimer is essential during meiosis by stabilizing DMC1 filaments (By similarity). In contrast, it is critical for only certain types of homologous-directed DNA repair, such as inter-homologous recombination (IR-HR). IR-HR is a DNA repair mechanism where a cell repairs a DSB on one chromosome using the matching homologous chromosome as a template, rather than the sister chromatid. Also promotes homologous recombination by inactivating the FIGL1-FIRRM complex to protect RAD51 filament from premature disassembly. Has a DNA-binding activity...

Product:

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

Molecular Weight:

~26.6 kDa

Swiss-Prot:

Q6NVH7

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

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 SWSAP1 protein

DATA:

Western blot analysis of TIAF1 expression in HEK293T (A), mouse liver (B) whole cell lysates.

Note:

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

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