



PRODUCT DATA SHEET

Bioworld Technology, Inc.

MRI polyclonal antibody

Catalog: BS36037

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Cell cycle regulator of non-homologous end joining: Cell-cycle-specific regulator of classical non-homologous end joining (NHEJ) of DNA double-strand break (DSB) repair, which can act both as an activator or inhibitor of NHEJ, depending on the cell cycle phase. Acts as a regulator of DNA repair pathway choice by specifically inhibiting classical NHEJ during the S and G2 phases, thereby promoting error-free repair by homologous recombination during cell cycle phases when sister chromatids are present. Preferentially protects single-stranded overhangs at break sites by inhibiting classical NHEJ, thereby creating a local environment that favors homologous recombination. Acts via interaction with XRCC5/Ku80 and XRCC6/Ku70. In contrast, acts as an activator of NHEJ during G1 phase of the cell cycle; promotes classical NHEJ in G1 phase cells via multivalent interactions that increase the affinity of DNA damage response proteins for DSB-a...

Product:

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

Molecular Weight:

~16.8 kDa

Swiss-Prot:

Q9BWK5

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

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 MRI protein

DATA:

Note:

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

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