

**RECQL5 polyclonal antibody**

Catalog: BS35920

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

ATP-dependent DNA helicase Q5: DNA helicase that plays an important role in DNA replication, transcription and repair . Probably unwinds DNA in a 3'-5' direction (Probable) . Binds to the RNA polymerase II subunit POLR2A during transcription elongation and suppresses transcription-associated genomic instability . Also associates with POLR1A and enforces the stability of ribosomal DNA arrays . Plays an important role in mitotic chromosome separation after cross-over events and cell cycle progress . Mechanistically, removes RAD51 filaments protecting stalled replication forks at common fragile sites and stimulates MUS81-EME1 endonuclease leading to mitotic DNA synthesis . Required for efficient DNA repair, including repair of inter-strand cross-links . Stimulates DNA decatenation mediated by TOP2A. Prevents sister chromatid exchange and homologous recombination. A core helicase fragment (residues 11-609) binds prefer...

Product:

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

Molecular Weight:

~109 kDa

Swiss-Prot:

O94762

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 RECQL5 protein

DATA:

Western blot analysis of PPAP2A expression in Jurkat (A) whole cell lysates.

Note:

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

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