Bioworld Technology CO., Ltd.

POT1 (N296) Peptide

Cat No.: BS2933P

Background

POT1 is a component of the telomerase ribonucleoprotein (RNP) complex that is essential for the replication of chromosome termini. It is a component of the double-stranded telomeric DNA-binding TRF1 complex which is involved in the regulation of telomere length by cis-inhibition of telomerase. Pot1 also acts as a single-stranded telomeric DNA-binding protein and thus may act as a downstream effector of the TRF1 complex and may transduce information about telomere maintenance and/or length to the telomere terminus. It binds to two or more telomeric single-stranded 5'-TTAGGG-3' repeats (G-strand) and with high specificity to a minimal telomeric single-stranded 5'-TAGGGTTAG-3' sequence. Its activity is TERT dependent but it does not increase TERT activity.

Swiss-Prot

Q9NUX5

Applications

Blocking

Specificity

This peptide can be used with studies using BS2933 POT1 (N296) pAb.

Purification & Purity

Synthetic peptide POT1 (N296). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

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

Research Use

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

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