

## POT1

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB

**Recommended Dilution:**WB 1:200 - 1:2000

**Calculated MW:**71kDa

**Observed MW:**Refer to Figures

**Immunogen:**

Recombinant protein of human POT1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

POT1;DKFZp586D211;hPot1 ;

**Catalog #:**A1491

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**25913

**Isotype:**IgG

**Swiss Prot:**Q9NUX5

**Purity:**Affinity purification

For research use only.

**Background:**

Protection of telomeres 1(POT1)is a conserved protein that binds the G-rich stand of its own telomeric repeat sequence, with a role in protecting chromosome ends. It's housekeeping gene that is required to ensure the integrity of chromosome ends in all cells. It's a component of the telomerase ribonucleoprotein(RNP) complex that is essential for the replication of chromosome termini. It consists the TRF1 complex that is involved in the regulation of telomere length by cis-inhibition of telomerase.

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