

## Product datasheet for **TA344379**

### POT1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-POT1 antibody: synthetic peptide directed towards the middle region of human POT1. Synthetic peptide located within the following region: CPKCHLLQEVPHGEDLDIIFQDGATKTPDVKLQNTSLYDSKIWTTKNQKG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	71 kDa
Gene Name:	protection of telomeres 1
Database Link:	<a href="#">NP_001036059</a> <a href="#">Entrez Gene 25913 Human</a> <a href="#">Q9NUX5</a>



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**Background:**

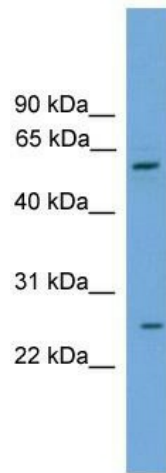
This gene is a member of the telombin family and encodes a nuclear protein involved in telomere maintenance. Specifically, this protein functions as a member of a multi-protein complex that binds to the TTAGGG repeats of telomeres, regulating telomere length and protecting chromosome ends from illegitimate recombination, catastrophic chromosome instability, and abnormal chromosome segregation. Increased transcriptional expression of this gene is associated with stomach carcinogenesis and its progression. Alternatively spliced transcript variants have been described.

**Synonyms:**

CMM10; GLM9; HPOT1

**Note:**

Immunogen Sequence Homology: Human: 100%; Rat: 92%; Pig: 85%; Guinea pig: 85%; Dog: 79%; Horse: 79%

**Product images:**

WB Suggested Anti-POT1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:1562500; Positive Control: Hela cell lysate