

[Go to Product page](#)

## Datasheet for ABIN7465387 **anti-POT1 antibody**

### Overview

Quantity:	100 µL
Target:	POT1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POT1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human POT1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by antigen-affinity chromatography.

### Target Details

Target:	POT1
Alternative Name:	protection of telomeres 1 ( <a href="#">POT1 Products</a> )
Background:	Protection of telomeres 1 , CMM10 , GLM9 , HPOT1, 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

## Target Details

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. [provided by RefSeq]

Molecular Weight: 71 kDa

Gene ID: 25913

UniProt: [Q9NUX5](#)

Pathways: [Cell Division Cycle](#), [Telomere Maintenance](#)

## Application Details

Application Notes: WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher.  
Not tested in other applications.

Comment: Positive Control: A431

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.73 mg/mL

Buffer: 0.1M Tris-Glycine ( pH 7), 20 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.