

## Product datasheet for **TA306057**

### TEP1 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	TP1 antibody was raised against a 20 amino acid peptide from near the amino terminus of human TP1.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	telomerase associated protein 1
Database Link:	<a href="#">AAC51107</a> <a href="#">Entrez Gene 7011 Human</a> <a href="#">Q99973</a>



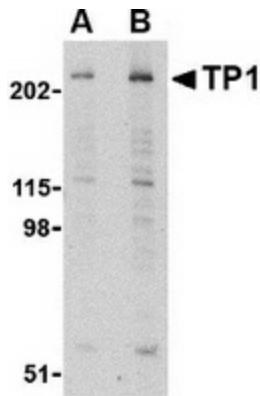
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**Background:**

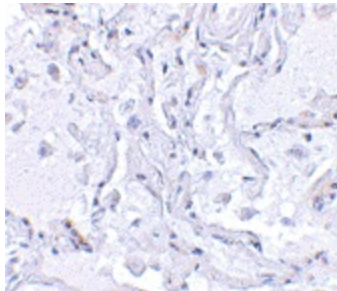
Telomerase is an RNA-dependent DNA polymerase that uses an RNA component to add telomeric repeat sequences at the ends of chromosomes. Besides the RNA component which serves as the template that specifies the telomeric repeat, the telomerase complex contains a reverse transcriptase protein (TRT) and various accessory proteins including the telomerase-associated protein 1 (TP1). Telomerase activity is low in most somatic cells, causing the gradual shortening of telomeres which can ultimately lead to telomere fusion and cell death. High levels of telomerase activity are widely seen in cancerous cells and while recent experiments have suggested that telomerase may be a viable target in cancer therapy, expression levels of TP1 do not correlate with malignancy. At least two isoforms of TP1 are known to exist.

**Synonyms:**

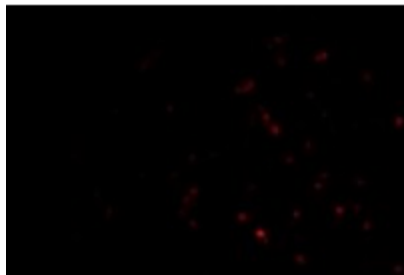
p240; TLP1; TP1; TROVE1; VAULT2

**Product images:**

Western blot analysis of TP1 in human kidney tissue lysate with TP1 antibody at (A) 1 and (B) 2 ug/ml.



Immunohistochemical staining of human lung tissue using TP1 antibody at 2.5 ug/ml.



Immunofluorescence of TP-1 in Human Lung cells with TP-1 antibody at 20 ug/mL.