

# TP1 Antibody

Catalog No: #24124

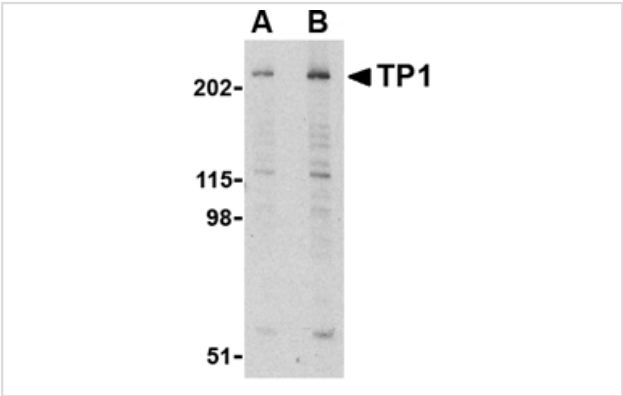


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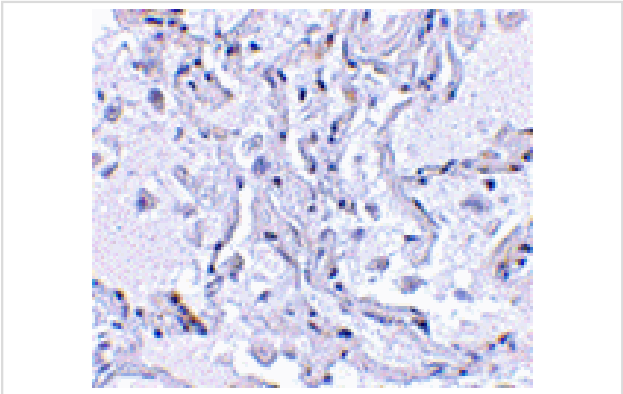
## Description

|                       |   |
|-----------------------|---|
| Product Name          | TP1 Antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Affinity chromatography purified via peptide column   |
| Applications          | ELISA WB IHC  |
| Species Reactivity    | Hu Ms Rt  |
| Immunogen Type        | Peptide   |
| Immunogen Description | Raised against a 20 amino acid peptide from near the amino terminus of human TP1.   |
| Target Name           | TP1   |
| Other Names           | TP1, Telomerase-associated protein 1, telomerase protein 1, TEP1  |
| Accession No.         | Swiss-Prot:Q99973Gene ID:7011   |
| Uniprot               | Q99973  |
| GeneID                | 7011;   |
| Concentration         | 1mg/ml  |
| Formulation           | Supplied in PBS containing 0.02% sodium azide.  |
| Storage               | Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

## 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.

## Background

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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.

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Note: This product is for in vitro research use only