TP1 Antibody

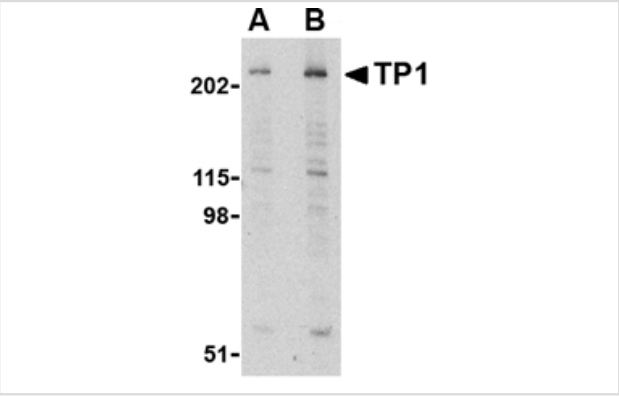
Catalog No: #24124

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

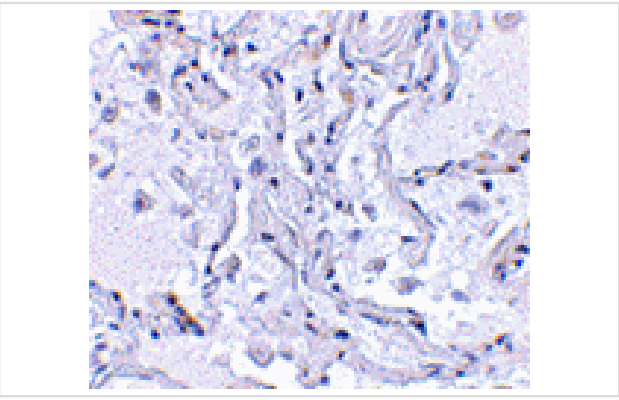
Description

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

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.

Note: This product is for in vitro research use only