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Datasheet for ABIN5541415  
**anti-TEP1 antibody (N-Term)**

### Overview

Quantity:	50 µg
Target:	TEP1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TEP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	Synthetic Peptide corresponding to 20 Amino Acid peptide from near the amino terminus of human TP1.
Specificity:	Species: Human, Mouse and Rat.
Purification:	Immunoaffinity Chromatography.

### Target Details

Target:	TEP1
Alternative Name:	tep1,tlp1 ( <a href="#">TEP1 Products</a> )
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

## Target Details

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reverse transcriptase protein (TRT) and various accessory proteins including the telomerase-associated protein 1 (TEP1). 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 TEP1 do not correlate with malignancy. At least two isoforms of TP1 are known to exist.

UniProt: [Q99973](#)

Pathways: [Inositol Metabolic Process](#), [Synaptic Membrane](#), [Regulation of Cell Size](#), [Autophagy](#), [Platelet-derived growth Factor Receptor Signaling](#), [Signaling of Hepatocyte Growth Factor Receptor](#)

## Application Details

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Application Notes: Immunohistochemistry on Paraffin Sections (5 µg/mL). Western Blot.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Phosphate Buffered Saline PBS containing 0.02 % Sodium Azide as preservative.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Dilute only prior to immediate use. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Expiry Date: 12 months