**Product datasheet**

**Anti-TEP1 antibody ab64189**

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### Overview

**Product name**  
Anti-TEP1 antibody

**Description**  
Rabbit polyclonal to TEP1

**Host species**  
Rabbit

**Tested applications**  
Suitable for: IHC-P

**Species reactivity**  
Reacts with: Human

**Immunogen**  
Synthetic peptide corresponding to Human TEP1 (N terminal). 20 amino acid from near the N-terminus of Human TEP1.

**General notes**  
The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### Properties

**Form**  
Liquid

**Storage instructions**  
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

**Storage buffer**  
Preservative: 0.02% Sodium azide  
Constituent: PBS

**Purity**  
Immunogen affinity purified

**Clonality**  
Polyclonal

**Isotype**  
IgG

### Applications

**The Abpromise guarantee**  
Our Abpromise guarantee covers the use of ab64189 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
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 (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.

Cellular localization
Nuclear (probable). Telomere.

Images

Ab64189 (5µg/ml) staining TEP1 in human skin tissue by immunohistochemistry using formalin-fixed, paraffin-embedded tissue.
ab64189 (5μg/ml) staining TEP1 in human breast tissue by immunohistochemistry using formalin-fixed, paraffin embedded tissue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

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