


## Product datasheet

# Anti-TBP-1 antibody ab125164

3 Images

### Overview

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<b>Product name</b>	Anti-TBP-1 antibody
<b>Description</b>	Rabbit polyclonal to TBP-1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human <b>Predicted to work with:</b> Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Dog, Turkey, Pig, Xenopus laevis, Chimpanzee, Zebrafish, Rhesus monkey, Gorilla, Orangutan, Xenopus tropicalis 
<b>Immunogen</b>	Synthetic peptide corresponding to Human TBP-1 aa 350-450. Database link: <a href="#">P17980</a>
<b>Positive control</b>	WB: 293T, NIH/3T3, Jurkat and HeLa whole cell lysate. IP: 293T cell lysate. IHC-P: Human breast carcinoma.
<b>General notes</b>	<p>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.</p> <p>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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7 Preservative: 0.09% Sodium azide Constituent: 99% Tris citrate/phosphate
<b>Purity</b>	pH 7 to 8 Immunogen affinity purified
<b>Clonality</b>	Polyclonal

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab125164 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 49 kDa.
IP		Use at 2-10 µg/mg of lysate.
IHC-P		1/500 - 1/2000.

## Target

### Function

The 26S protease is involved in the ATP-dependent degradation of ubiquitinated proteins. The regulatory (or ATPase) complex confers ATP dependency and substrate specificity to the 26S complex (By similarity). In case of HIV-1 infection, suppresses Tat-mediated transactivation.

### Sequence similarities

Belongs to the AAA ATPase family.

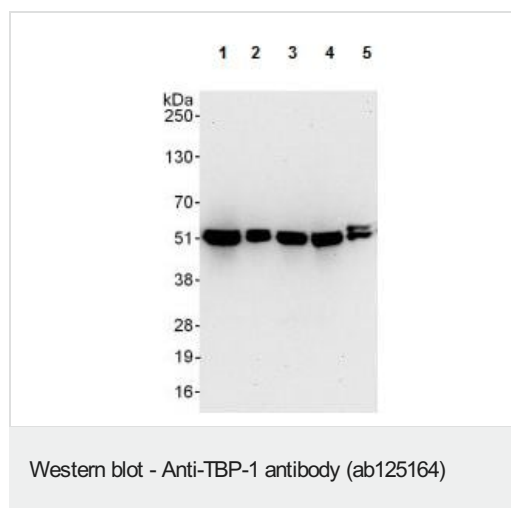
### Post-translational modifications

Sumoylated by UBE2I in response to MEKK1-mediated stimuli.

### Cellular localization

Cytoplasm. Nucleus.

## Images



**All lanes** : Anti-TBP-1 antibody (ab125164) at 0.1 µg/ml

**Lane 1** : 293T whole cell lysate at 50 µg

**Lane 2** : 293T whole cell lysate at 15 µg

**Lane 3** : Jurkat whole cell lysate at 50 µg

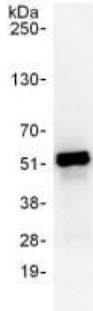
**Lane 4** : HeLa whole cell lysate at 50 µg

**Lane 5** : NIH3T3 whole cell lysate at 50 µg

Developed using the ECL technique.

**Predicted band size:** 49 kDa

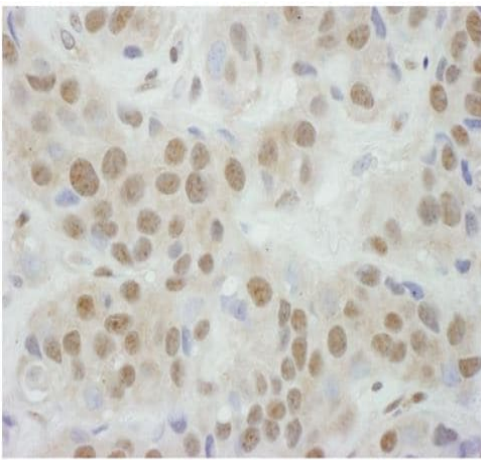
**Exposure time:** 30 seconds



Immunoprecipitation - Anti-TBP-1 antibody  
(ab125164)

ab125164, at 6 µg/mg lysate, staining TBP-1 in 293T cell lysate (1 mg of immunoprecipitate, 20% loaded in the lane).

For the subsequent Western blot, ab125164 was used at 1 µg/ml, and the blot developed using the ECL technique, with an exposure time of 10 seconds.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TBP-1 antibody  
(ab125164)

Paraffin embedded human breast carcinoma tissue stained for TBP-1 using ab125164 at 1/1000 dilution in immunohistochemical analysis.

**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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