

## Product datasheet

### Anti-TST antibody [EPR11645(B)] ab168359

Recombinant RabMAb

4 Images

#### Overview

<b>Product name</b>	Anti-TST antibody [EPR11645(B)]
<b>Description</b>	Rabbit monoclonal [EPR11645(B)] to TST
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human TST.
<b>Positive control</b>	Human fetal liver and HepG2 lysates; Human colon and liver tissues.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant</p>
<b>Purity</b>	Tissue culture supernatant

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR11645(B)
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab168359 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
<b>WB</b>		1/1000 - 1/5000. Predicted molecular weight: 33 kDa.
<b>IHC-P</b>		1/100 - 1/250. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IP.

## Target

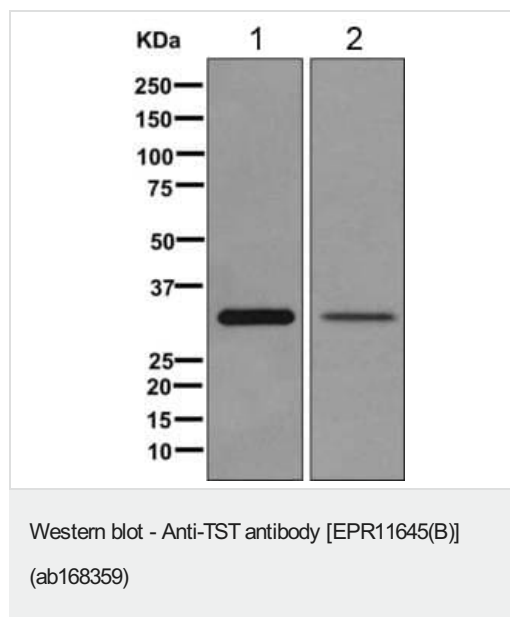
**Function** Formation of iron-sulfur complexes, cyanide detoxification or modification of sulfur-containing enzymes. Other thiol compounds, besides cyanide, can act as sulfur ion acceptors. Also has weak mercaptopyruvate sulfurtransferase (MST) activity.

**Sequence similarities** Contains 2 rhodanese domains.

**Domain** The structure consists of 2 domains of very similar conformation, suggesting a common evolutionary origin. However, the sequences of the 2 domains are very different.

**Cellular localization** Mitochondrion matrix.

## Images



**All lanes** : Anti-TST antibody [EPR11645(B)] (ab168359) at 1/1000 dilution

**Lane 1** : Human fetal liver lysate

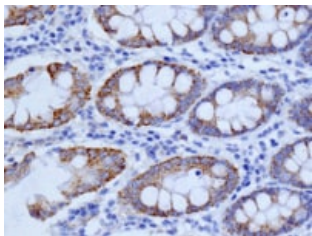
**Lane 2** : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes** : Goat anti-rabbit HRP at 1/2000 dilution

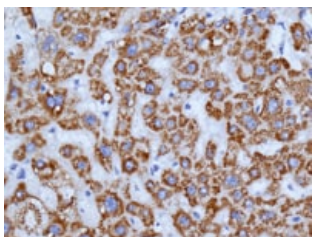
**Predicted band size:** 33 kDa



Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling TST with ab168359 at 1/100 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TST antibody  
[EPR11645(B)] (ab168359)



Immunohistochemical analysis of paraffin-embedded Human liver tissue labeling TST with ab168359 at 1/100 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TST antibody  
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#### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-TST antibody [EPR11645(B)] (ab168359)

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

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