


Product datasheet

Anti-TST antibody [EPR11646(B)] ab166625

Recombinant RabMAb

[7 References](#) [10 Images](#)

Overview

Product name	Anti-TST antibody [EPR11646(B)]
Description	Rabbit monoclonal [EPR11646(B)] to TST
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF Unsuitable for: Flow Cyt
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Fetal liver, HepG2 and HeLa whole cell lysate (ab150035); Human colon tissue and Human liver tissue; HeLa cells; Immunoprecipitation pellet from fetal liver lysate.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal

Clone number EPR11646(B)

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab166625 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		1/1000 - 1/10000. Predicted molecular weight: 33 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/250.

Application notes Is unsuitable for Flow Cyt.

Target

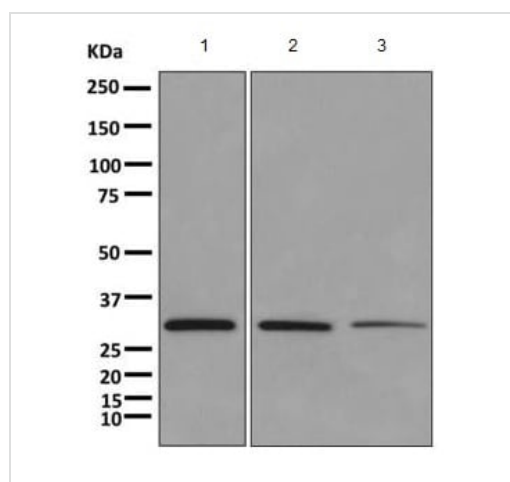
Function Formation of iron-sulfur complexes, cyanide detoxification or modification of sulfur-containing enzymes. Other thiol compounds, besides cyanide, can act as sulfur ion acceptors. Also has weak mercaptopyruvate sulfurtransferase (MST) activity.

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 [EPR11646(B)] (ab166625) at 1/1000 dilution

Lane 1 : Fetal liver lysate

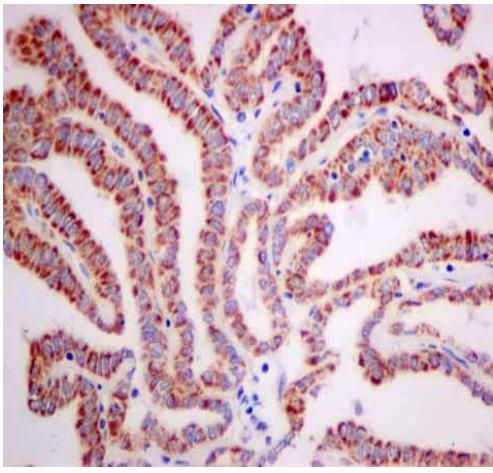
Lane 2 : HepG2 cell lysate

Lane 3 : HeLa cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 33 kDa

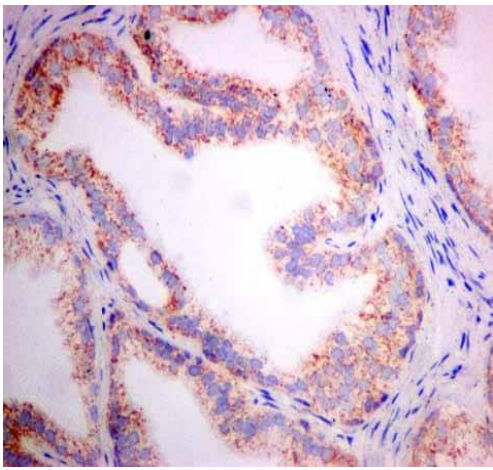
Western blot - Anti-TST antibody [EPR11646(B)]
(ab166625)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TST antibody
[EPR11646(B)] (ab166625)

ab166625 showing +ve staining in Human thyroid gland carcinoma.

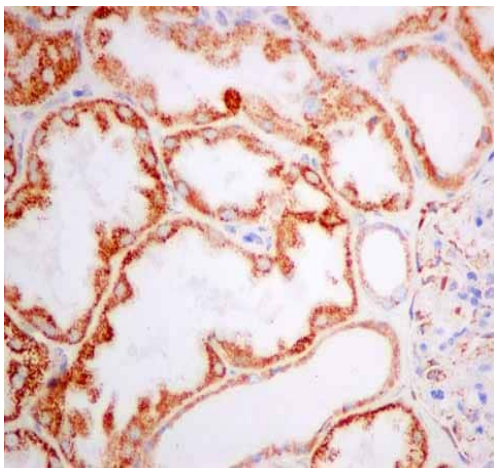
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TST antibody
[EPR11646(B)] (ab166625)

ab166625 showing +ve staining in Human normal prostate.

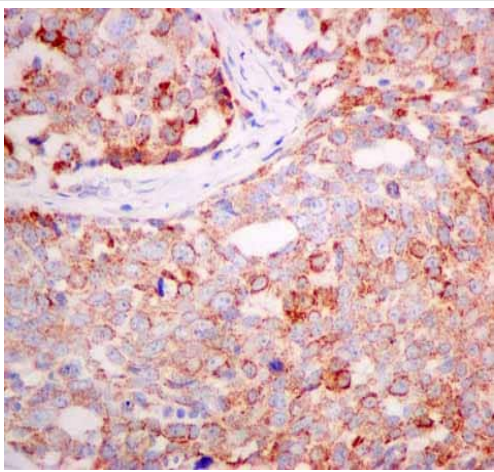
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TST antibody
[EPR11646(B)] (ab166625)

ab166625 showing +ve staining in Human normal kidney.

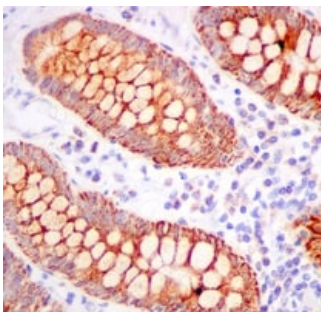
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TST antibody
[EPR11646(B)] (ab166625)

ab166625 showing +ve staining in Human breast carcinoma.

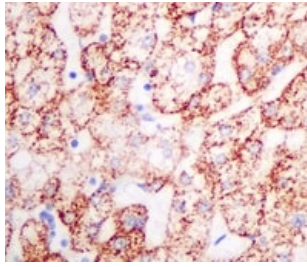
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TST antibody
[EPR11646(B)] (ab166625)

Immunohistochemical analysis of paraffin embedded Human colon tissue labeling TST with ab166625 at a 1/50 dilution.

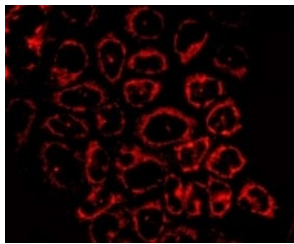
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TST antibody [EPR11646(B)] (ab166625)

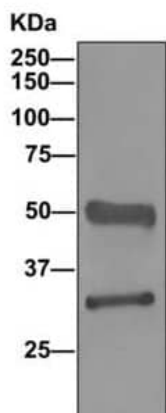
Immunohistochemical analysis of paraffin embedded Human liver tissue labeling TST with ab166625 at a 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-TST antibody [EPR11646(B)] (ab166625)

Immunocytochemical analysis of HeLa cells labeling TST with ab166625 at a 1/100 dilution.



Western blot - Anti-TST antibody [EPR11646(B)] (ab166625)

Anti-TST antibody [EPR11646(B)] (ab166625) at 1/1000 dilution + immunoprecipitation pellet from fetal liver lysate at 10 μ g

Predicted band size: 33 kDa

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 [EPR11646(B)] (ab166625)

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

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