


## Product datasheet

# Anti-GSTZ1 antibody ab153995

[1 References](#) [3 Images](#)

### Overview

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<b>Product name</b>	Anti-GSTZ1 antibody
<b>Description</b>	Rabbit polyclonal to GSTZ1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Cow, Pig 
<b>Immunogen</b>	Recombinant fragment corresponding to Human GSTZ1 aa 1-250. Database link: <a href="#">O43708</a>
<b>Positive control</b>	293T; A431; H1299; HeLa; HepG2; MOLT4 and Raji cell lysates. SW480 xenograft; A431 cells.
<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. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab153995 in the following tested applications.

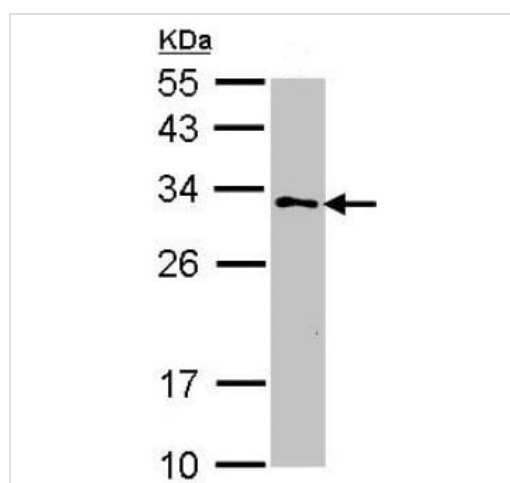
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 24 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. 10mM Citrate Buffer
ICC/IF		1/100 - 1/1000.

## Target

<b>Function</b>	Bifunctional enzyme showing minimal glutathione-conjugating activity with ethacrynic acid and 7-chloro-4-nitrobenz-2-oxa-1,3-diazole and maleylacetoacetate isomerase activity. Has also low glutathione peroxidase activity with T-butyl and cumene hydroperoxides. Is able to catalyze the glutathione dependent oxygenation of dichloroacetic acid to glyoxylic acid.
<b>Tissue specificity</b>	Mostly expressed in liver followed by kidney, skeletal muscle and brain. Also expressed in melanocytes, synovium, placenta, breast and fetal liver and heart.
<b>Pathway</b>	Amino-acid degradation; L-phenylalanine degradation; acetoacetate and fumarate from L-phenylalanine: step 5/6.
<b>Sequence similarities</b>	Belongs to the GST superfamily. Zeta family. Contains 1 GST C-terminal domain. Contains 1 GST N-terminal domain.
<b>Cellular localization</b>	Cytoplasm.

## Images

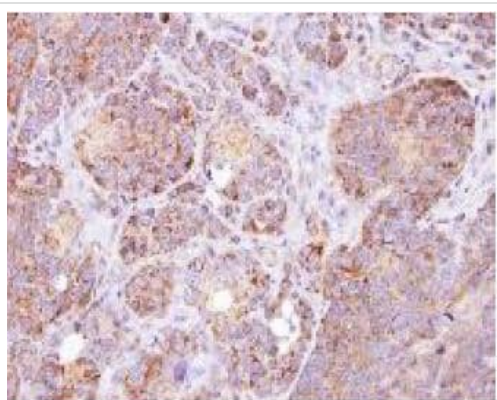


Anti-GSTZ1 antibody (ab153995) at 1/1000 dilution + 293T cell lysate at 30 µg

**Predicted band size: 24 kDa**

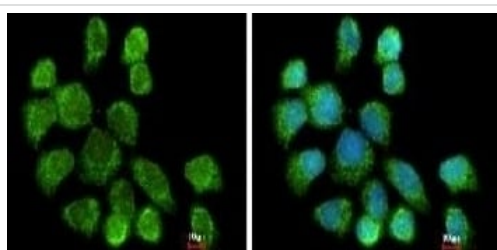
12% SDS PAGE

Western blot - Anti-GSTZ1 antibody (ab153995)



Immunohistochemical analysis of paraffin- embedded SW480 xenograft labeling GSTZ1 using ab153995 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GSTZ1 antibody (ab153995)



Immunofluorescence analysis of methanol-fixed A431 cells, labeling GSTZ1 using ab153995 at 1/200 dilution. Right panel costained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-GSTZ1 antibody (ab153995)

**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

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- 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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