

## Product datasheet

### Anti-GST antibody [3G10/1B3] ab92

★★★★★ [3 Abreviews](#) [27 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-GST antibody [3G10/1B3]
<b>Description</b>	Mouse monoclonal [3G10/1B3] to GST
<b>Host species</b>	Mouse
<b>Specificity</b>	Recognizes Glutathione S-Transferase (GST), a 26-kDa protein encoded by the parasitic helminth <i>Schistosoma japonicum</i> .
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Recombinant full length protein within <i>Schistosoma japonicum</i> GST aa 1-218. The exact sequence is proprietary. This is full length GST fusion protein of 425 aa (length of the fusion protein, not GST protein alone). The GST protein is the same GST protein on the pGEX vector ( <i>Schistosoma japonicum</i> ). Database link: <a href="#">P08515</a>
<b>General notes</b>	<p>This product was changed from ascites to tissue culture supernatant on 25<sup>th</sup> May 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.40 Constituent: 100% PBS  w/o preservative

<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	3G10/1B3
<b>Myeloma</b>	NS1
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab92 in the following tested applications.

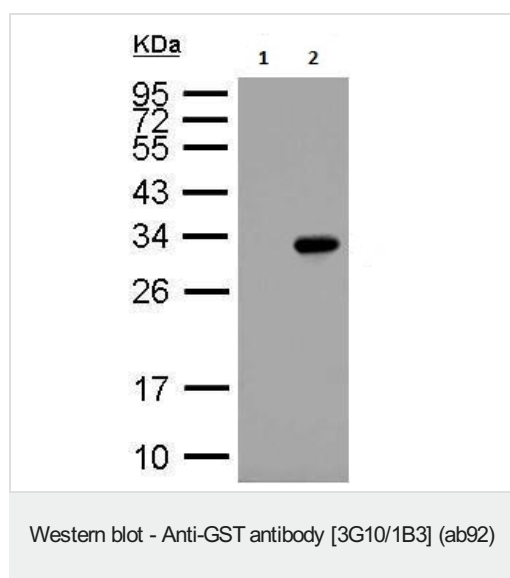
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>WB</b>	★★★★★ (3)	Use a concentration of 0.5 - 2 µg/ml. Detects a band of approximately 30 kDa (predicted molecular weight: 26 kDa).
<b>IP</b>		Use at an assay dependent dilution.

## Target

**Relevance** GST (Glutathione S-Transferase) is a 26kDa protein encoded by the parasitic helminth *Schistosoma japonicum* and widely used in the pGEX family of GST plasmid expression vectors as a fusion protein with foreign proteins.

## Images



**All lanes :** Anti-GST antibody [3G10/1B3] (ab92) at 1/5000 dilution

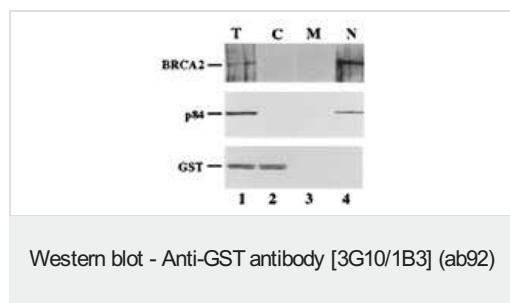
**Lane 1 :** Non-induced GST-fusion protein expressed in E.coli

**Lane 2 :** IPTG induced GST-fusion protein expressed in E.coli

Lysates/proteins at 5 µl per lane.

**Predicted band size:** 26 kDa

10% SDS-PAGE



**All lanes :** Anti-GST antibody [3G10/1B3] (ab92)

**Lane 1 :** Total lysate

**Lane 2 :** Cytoplasmic fraction

**Lane 3 :** Membrane fraction

**Lane 4 :** Nuclear fraction

**Predicted band size:** 26 kDa

Detection of human GST in cytoplasmic fraction by anti-GST 3G10 monoclonal antibody (ab92) in western blot experiment. p84 is also shown indicating the nuclear fraction using anti-p84 monoclonal antibody ([ab487](#)).

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

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