

Product datasheet

Anti-GST antibody [EPR4236] ab111947

Recombinant RabMAb

[19 References](#) [6 Images](#)

Overview

Product name	Anti-GST antibody [EPR4236]
Description	Rabbit monoclonal [EPR4236] to GST
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IP Unsuitable for: Flow Cyt or IHC-P
Species reactivity	Reacts with: Species independent
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	GST fusion proteins; Alpha-actinin-4-GST, AKT1/PKBa-GST or CDK7-GST.
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. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4236
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab111947 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: 26 kDa.
ICC/IF		1/100.
IP		1/20.

Application notes

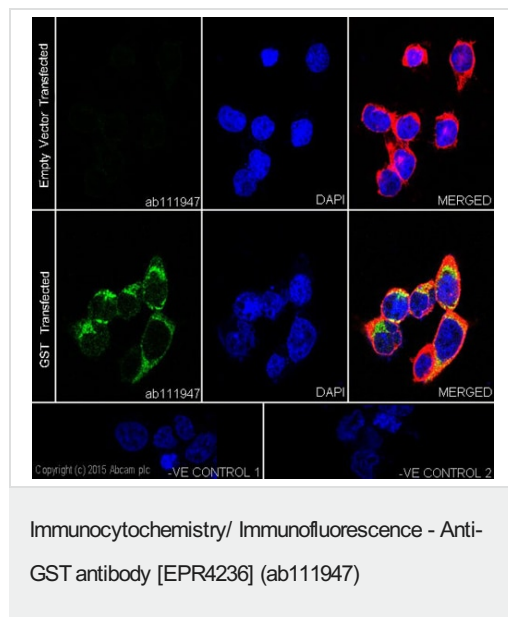
Is unsuitable for Flow Cyt or IHC-P.

Target

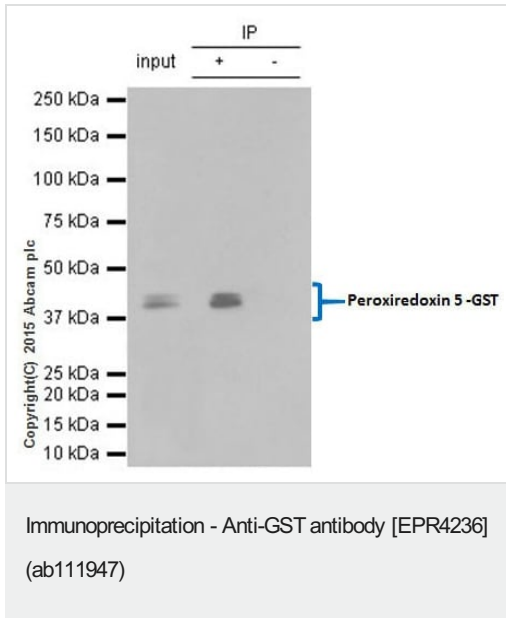
Relevance

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



Immunofluorescence staining of 293T cells transfected with GST, with ab111947 at a working dilution of 1/100 and counter-stained with DAPI. Tubulin was also stained with mouse anti-tubulin at a dilution of 1/1000 (**ab7291**) and Alexa Fluor[®] 594 goat anti-mouse at a dilution of 1/500 (**ab150120**). The secondary antibody was Alexa Fluor[®] 488 goat anti rabbit (**ab150077**), used at a dilution of 1/500. The cells were fixed in 4% PFA and permeabilized using 0.1% Triton X-100. The negative controls are shown in the bottom hand panels - for the first negative control, anti-GST antibody (ab111947) was used at a dilution of 1/100 followed by an Alexa Fluor[®] 594 goat anti-mouse antibody (**ab150120**) at a dilution of 1/1000 and for the second negative control, mouse anti-tubulin (**ab7291**) and anti-rabbit secondary antibody (**ab150077**) were used.



GST immunoprecipitation from transfected 293T whole cell lysate using ab111947. 1 mg of cell lysate was incubated with capture antibody (ab111947) at 1/20 dilution.

Lane 1: Primary: ab111947, 1/1000 dilution

Sample: 293T transfected with GST tagged protein vector cell lysate 10 ug

Lane 2: Primary: ab111947, 1/1000 dilution

Sample: 293T transfected with GST tagged protein vector cell lysate

Lane 3: Primary: **ab172730**, Rabbit monoclonal IgG

Sample: 293T transfected with GST tagged protein vector cell lysate

All lanes: Secondary: **ab131366**, Veriblot, 1/10000 dilution

Blocking and diluting buffer: 5% NFDm/TBST

Lanes 1-2 : Anti-GST antibody [EPR4236] (ab111947) at 1/1000 dilution

Lane 3 : Rabbit IgG, monoclonal [EPR25A] - Isotype Control (**ab172730**)

Lane 1 : Input - 293 transfected with GST tagged protein vector cell lysate at 10 µg

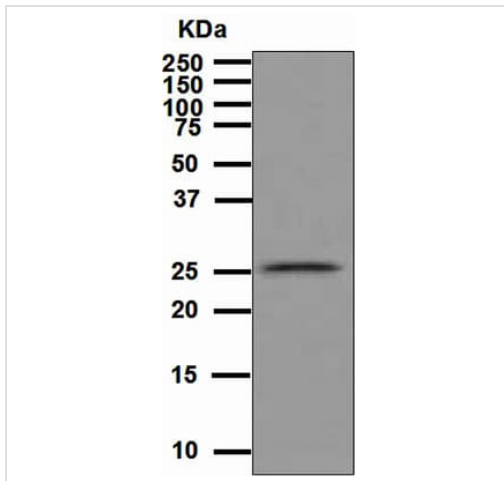
Lane 2 : (+) 293T transfected with GST tagged protein vector cell lysate

Lane 3 : (-) 293T transfected with GST tagged protein vector cell lysate

Secondary

All lanes : VeriBlot for IP Detection Reagent (HRP) (**ab131366**) at 1/10000 dilution (VeriBlot)

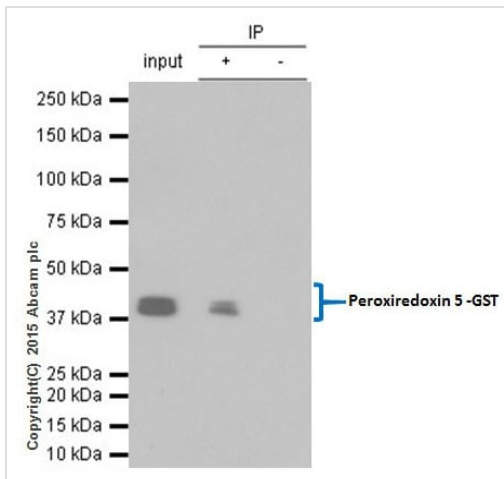
Additional bands at: 41 kDa (possible tagged protein)



Western blot - Anti-GST antibody [EPR4236]
(ab111947)

Anti-GST antibody [EPR4236] (ab111947) at 1/1000 dilution + GST recombinant protein at 0.01 µg

Predicted band size: 26 kDa



Immunoprecipitation - Anti-GST antibody [EPR4236]
(ab111947)

(Cross IP) GST immunoprecipitation from transfected 293T whole cell lysate using ab111947. 1 mg of cell lysate was incubated with capture antibody (ab111947) at 1/20 dilution.

Lane 1: Primary: **ab180123**, 1/1000 dilution

Sample: 293T transfected with GST tagged protein vector cell lysate 10 µg

Lane 2: Primary: **ab180123**, 1/1000 dilution

Sample: 293T transfected with GST tagged protein vector cell lysate

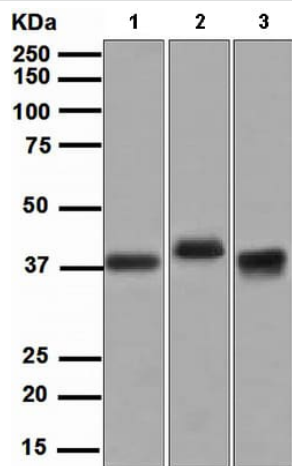
Secondary: **ab131366**, Veriblot, 1/10000 dilution

Lane 3: Primary: **ab172730**, Rabbit monoclonal IgG

Sample: 293T transfected with GST tagged protein vector cell lysate

All lanes: Secondary: **ab131366**, Veriblot, 1/10000 dilution

Blocking and diluting buffer: 5% NFDN/TBST



Western blot - Anti-GST antibody [EPR4236] (ab111947)

All lanes : Anti-GST antibody [EPR4236] (ab111947) at 1/1000 dilution

Lane 1 : Alpha-actinin-4-GST fusion protein

Lane 2 : AKT1/PKBa-GST fusion protein

Lane 3 : CDK7-GST fusion protein

Lysates/proteins at 0.01 µg per lane.

Predicted band size: 26 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-GST antibody [EPR4236] (ab111947)

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

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