

Rabbit GST Polyclonal Antibody | anti-GST antibody

Anti-GST Antibody, Rabbit Polyclonal

CATALOG # AAA259426	HOST Rabbit	REACTIVITY Schistosoma japonicum	APPLICATIONS Immunocytochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

GST; Polyclonal Antibody; Anti-GST Antibody; Rabbit Polyclonal; GST Antibody; Rabbit PAb; Antigen Affinity Purified; anti-GST antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Schistosoma japonicum
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Schistosoma japonicum GST
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-GST antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Schistosoma japonicum GST Protein (P08515; Met1-Lys218). GST specific IgG was purified by Schistosoma japonicum GST affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of GST in HCT116 cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human GST polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



WB (Western Blot)

Anti-GST-Tag rabbit polyclonal antibody at 1:500 Lane A: GST-ARG1-DYKDDDDK transfected 293 Cell Lysate(30ug) Lane B: DYKDDDDK-AGR1-GST transfected 293 Cell Lysate(30ug) Lane C: Negative control(30ug) Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions.

ADDITIONAL INFORMATION

Related Product Information for anti-GST antibody	Genetic engineers have used glutathione S-transferase to create the GST gene fusion system. This system is used to purify and detect proteins of interest. In a GST gene fusion system, the GST sequence is incorporated into an expression vector alongside the gene sequence encoding the protein of interest. Induction of protein expression from the vector's promoter results in expression of a fusion protein: the protein of interest fused to the GST protein. This GST-fusion protein can then be purified from cells via its high affinity for glutathione. GST is commonly used to create fusion proteins. The tag has the size of 22amino acids(roughly 26 KDa), which, compared to other tags like the Myc- or the DYKDDDDK-tag, is quite big. However, many commercially-available sources of GST-tagged plasmids include athrombindomain for cleavage of the GST tag during protein purification.
References	Dougla. KT. e. al.. 1987. Ad. Enzymo. Rela. Area. Mo. Biol.59. 103. 67.Becket. GJ. e. al.. 1993. Ad. Cli. Chem. 30. 281-380. Wilc. MC. e. al.. 1994. Biochi. Biophy. Acta. 1205(1). 1-18. Leave. MJ. e. al.. 1998. Marin. Environmenta. Research. 46(1-5). 71-4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	121697
UniProt Accession #	P08515
Molecular Weight	25.4 kDa (218aa)
NCBI Official Full Name	Glutathione S-transferase class-mu 26 kDa isozyme
UniProt Protein Name	Glutathione S-transferase class-mu 26 kDa isozyme
UniProt Gene Name	GST 26
UniProt Synonym Gene Names	GST 26
UniProt Entry Name	GST26_SCHJA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/gst-antibody-immunocytochemistry-western-blot-elisa/259426>