



Rabbit anti-Glutathione-S-Transferase (GST) Polyclonal antibody (DPAB4254)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Rabbit Anti-Glutathione-S-Transferase (GST) Polyclonal Antibody was raised by immunizing rabbits with affinity purified GST. The protein was expressed in bacteria and purified by glutathione-affinity chromatography. From the crude serum, antigen-specific antibodies were purified by antigen-affinity chromatography |
| Specificity | The monospecific polyclonal IgG antibody against GST recognizes recombinant GST. It reacts specifically to a variety of GST fusion proteins used as targets in immunoblotting experiments. It also immunoprecipitates the target proteins efficiently. This antibody is reactive with immobilized native antigens on ELISA plates as well. |
| Immunogen | Affinity purified GST |
| Isotype | IgG |
| Source/Host | Rabbit |
| Conjugate | Unconjugated |
| Applications | WB, Dot, IP, ELISA, IHC |
| Format | Provided as antigen-affinity purified IgG, with 0.05 % sodium azide as a preservative |
| Size | 20 µg, 100 µg |
| Preservative | 0.05% Sodium Azide |
| Storage | For continuous use, store at 2-8°C. For extended storage freeze, in desirable aliquots. Repeated freezing and thawing is not recommended. |

BACKGROUND

Introduction

GST family of enzymes comprises a long list of cytosolic, mitochondrial, and microsomal proteins that are 45-55 kDa (dimer form) size and are capable of multiple reactions with a multitude of substrates, both endogenous and xenobiotic. GST catalyses the conjugation of reduced glutathione meaning the sulfhydryl group, to electrophilic centers on a wide variety of substrates. This activity is useful in the detoxification of endogenous compounds such as peroxidised lipids, as well as the metabolism of xenobiotics. GST binds toxins and function as transport protein. Glutathione S-transferase is used to create the so-called "GST gene fusion system". The GST is used to purify and detect proteins of interest.

Keywords

Glutathione S transferase A1; Glutathione S-transferase A1; GST class-alpha member 1; GST epsilon; GST HA subunit 1; GST-epsilon; GST2; GSTA1 1; GSTA1; GSTA1-1; GSTA1_HUMAN; GTH1; HA subunit 1; glutathione S-transferase alpha 1; MGC131939; GST HA subunit 1; OTTHUMP00000016611; GST, class alpha, 1; EC=2.5.1.18; Glutathione S-transferase

GENE INFORMATION

Entrez Gene ID

[2944](#)

UniProt ID

[P09488](#)