



Rabbit anti-Glutathione-S-Transferase (GST) Polyclonal antibody (DPAB4253)

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

PRODUCT INFORMATION

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.
Specificity	Polyclonal antiserum 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 crude serum with 0.05 % sodium azide as a preservative.
Size	30 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](#)