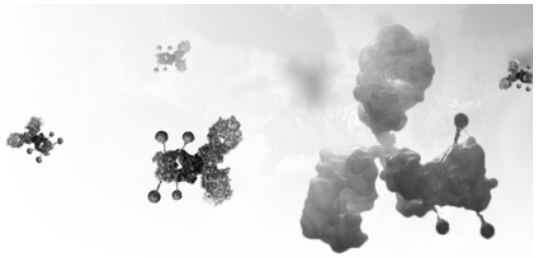

Goat anti-Glutathione-S-Transferase Polyclonal antibody (DPAB0537)

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

PRODUCT INFORMATION

Specificity	Reacts by precipitation using immunodiffusion and IEP techniques
Immunogen	Glutathione-S-transferase (GST) from Schistosoma japonicum
Source/Host	Goat
Purification	Immunoaffinity purified using GST immobilized on solid support
Conjugate	Unconjugated
Applications	At a 1:1,000 dilution the anti GST works as an effective probe for Western blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Affinity Purified, Liquid
Concentration	1mg/ml (OD280nm, E0.1% = 1.4)
Size	0.25 mg
Buffer	PBS, pH 7.2
Preservative	0.1% Sodium Azide
Storage	Store at 2-8°C.

BACKGROUND

Introduction	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Enzymes of the glutathione S-transferase (GST) family are

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	composed of many cytosolic, mitochondrial, and microsomal (now designated as MAPEG) proteins. GSTs are present in eukaryotes and in prokaryotes, where they catalyze a variety of reactions and accept endogenous and xenobiotic substrates. GSTs can constitute up to 10% of cytosolic protein in some mammalian organs. GSTs catalyse the conjugation of reduced glutathione — via a sulfhydryl group — to electrophilic centers on a wide variety of substrates. This activity detoxifies endogenous compounds such as peroxidised lipids, as well as breakdown of xenobiotics. GSTs may also bind toxins and function as transport proteins, and, therefore, an early term for GSTs was "ligandin". The mammalian GST super-family consists of cytosolic dimeric isoenzymes of 45–55 kDa size that have been assigned to at least six classes: Alpha, Mu, Pi, Theta, Zeta and Omega
Keywords	Glutathione S alkyltransferase A1; Glutathione S aralkyltransferase A1; Glutathione S aryltransferase A1; Glutathione S transferase 2; Glutathione S transferase A1; Glutathione S-transferase A1; GST 2; GST class alpha; GST class alpha 1; GST class alpha member 1; GST class-alpha member 1; GST epsilon; GST HA subunit 1; GST-epsilon; GST2; GSTA 1; GSTA1 1; GSTA1; GSTA1 protein; GSTA1-1; GSTA1_HUMAN; GTH 1; GTH1; HA subunit 1; MGC131939; S (hydroxyalkyl) glutathione lyase A1;

GENE INFORMATION

Entrez Gene ID	2944
UniProt ID	P09488

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221