-online.com antibodies

Datasheet for ABIN952640 anti-GSTa2 antibody (N-Term)

2 Images



Overview

Quantity:	0.4 mL
Target:	GSTa2
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTa2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 1~30 amino acids from the N-terminal region of Human GSTA2 / GST2.
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human GSTA2 / GST2 (N-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	GSTa2
Alternative Name:	GSTA2 / GST2 (GSTa2 Products)

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN952640 | 09/12/2023 | Copyright antibodies-online. All rights reserved.

Target Details

Background:	Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct
	supergene families. These enzymes function in the detoxification of electrophilic compounds,
	including carcinogens, therapeutic drugs, environmental toxins and products of oxidative
	stress, by conjugation with glutathione. The genes encoding these enzymes are known to be
	highly polymorphic. These genetic variations can change an individual's susceptibility to
	carcinogens and toxins as well as affect the toxicity and efficacy of some drugs. At present,
	eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have
	been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a
	glutathione S-tranferase belonging to the alpha class. The alpha class genes, located in a
	cluster mapped to chromosome 6, are the most abundantly expressed glutathione S-
	transferases in liver. In addition to metabolizing bilirubin and certain anti-cancer drugs in the
	liver, the alpha class of these enzymes exhibit glutathione peroxidase activity thereby protecting
	the cells from reactive oxygen species and the products of peroxidation.Synonyms: GST class-
	alpha member 2, GST-gamma, GSTA2-2, GTH2, Glutathione S-transferase A2, HA subunit 2

Gene ID: 2939

NP_000837

NCBI Accession:

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN952640 | 09/12/2023 | Copyright antibodies-online. All rights reserved.





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry in Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with GSTA2 / GST2 Antibody (N-term) followed which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

Western Blotting

Image 2. Western blot analysis of GSTA2 / GST2 Antibody (N-term) Cat.-No AP51964PU-N in MDA-MB231 cell line lysates (35ug/lane). GSTA2 (arrow) was detected using the purified Pab.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN952640 | 09/12/2023 | Copyright antibodies-online. All rights reserved.