

Datasheet for ABIN659176

**anti-GSTA1 antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	400 µL
Target:	GSTA1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This GSTA1 monoclonal antibody is generated from mouse immunized with GSTA1 recombinant protein.
Clone:	286CT8-1-5
Isotype:	IgM kappa
Purification:	This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.

## Target Details

Target:	GSTA1
Alternative Name:	GSTA1 ( <a href="#">GSTA1 Products</a> )
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

## Target Details

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-transferase 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.

Molecular Weight:	25631
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Gene ID:	2938
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NCBI Accession:	<a href="#">NP_665683</a>
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UniProt:	<a href="#">P08263</a>
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## Application Details

Application Notes:	WB: 1:100
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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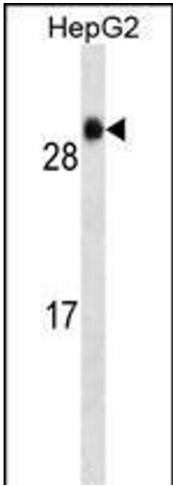
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C, -20 °C
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Storage Comment:	GSTA1 Antibody can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
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Expiry Date:	6 months
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**Western Blotting**

**Image 1.** GSTA1 Antibody (ABIN659176 and ABIN2843782) western blot analysis in HepG2 cell line lysates (35 µg/lane). This demonstrates the GSTA1 antibody detected the GSTA1 protein (arrow).