

Datasheet for ABIN782405
anti-GSTA1 antibody (AA 1-222)

3 Images

[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	GSTA1
Binding Specificity:	AA 1-222
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GSTA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	GSTA1 antibody was raised against gGSTA1 (AAH53578.1, 1 a.a. ~ 222 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Clone:	2F7
Isotype:	IgG1
Specificity:	This antibody reacts to GSTA1.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	GSTA1
---------	-------

Target Details

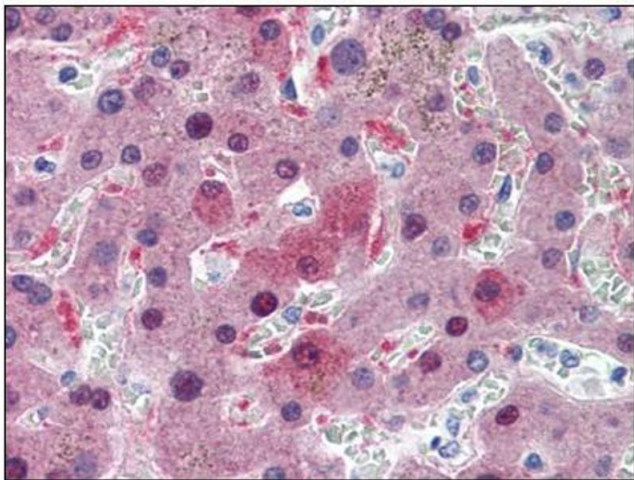
Alternative Name:	GSTA1 (GSTA1 Products)
Background:	Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes function in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins 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-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.Synonyms: GST class-alpha member 1, GST-epsilon, GSTA1-1, GTH1, Glutathione S-transferase A1, HA subunit 1
Gene ID:	2938
NCBI Accession:	NP_665683
UniProt:	P08263

Application Details

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

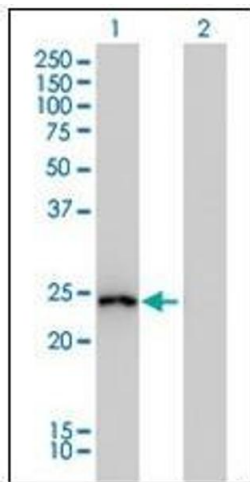
Handling

Concentration:	0,5 mg/mL
Buffer:	PBS, pH 7.2
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody at -20 °C to -80 °C.



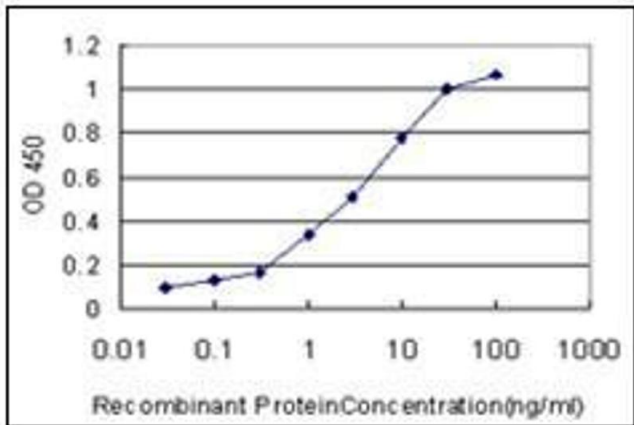
Immunohistochemistry

Image 1.



Western Blotting

Image 2.



ELISA

Image 3.