

# GSTA1 Polyclonal Antibody

Catalog # AP74164

## Product Information

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Application	IHC-P
Primary Accession	<a href="#">P08263</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25631

## Additional Information

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Gene ID	2938
Other Names	Glutathione S-transferase A1 (EC 2.5.1.18) (GST HA subunit 1) (GST class-alpha member 1) (GST-epsilon) (GSTA1-1) (GTH1)
Dilution	IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

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Name	GSTA1
Function	Glutathione S-transferase that catalyzes the nucleophilic attack of the sulfur atom of glutathione on the electrophilic groups of a wide range of exogenous and endogenous compounds (Probable). Involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2) and prostaglandin J2 (PGJ2) (PubMed: <a href="#">9084911</a> ). It also catalyzes the isomerization of D5-androstene-3,17-dione (AD) into D4-androstene- 3,17-dione and may therefore play an important role in hormone biosynthesis (PubMed: <a href="#">11152686</a> ). Through its glutathione-dependent peroxidase activity toward the fatty acid hydroperoxide (13S)-hydroperoxy-(9Z,11E)-octadecadienoate/13-HPODE it is also involved in the metabolism of oxidized linoleic acid (PubMed: <a href="#">16624487</a> ).
Cellular Location	Cytoplasm.
Tissue Location	Liver.

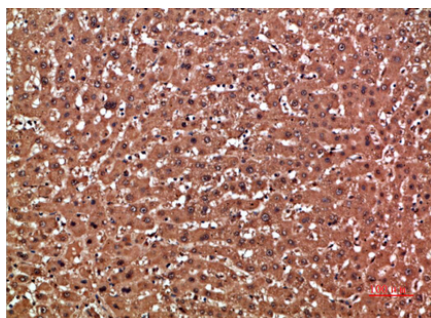
## Background

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Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.

## Images

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Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:200

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.