

**GSTA1 Polyclonal Antibody**  
Catalog # AP74164**Specification****GSTA1 Polyclonal Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">P08263</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**GSTA1 Polyclonal Antibody - Additional Information****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~~IHC-p 1:50-200, ELISA 1:10000-20000

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**GSTA1 Polyclonal Antibody - Protein Information****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: [9084911](http://www.uniprot.org/citations/9084911) target="\_blank">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: [11152686](http://www.uniprot.org/citations/11152686) target="\_blank">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: [16624487](http://www.uniprot.org/citations/16624487) target="\_blank">16624487</a>).

**Cellular Location**

Cytoplasm.

## Tissue Location

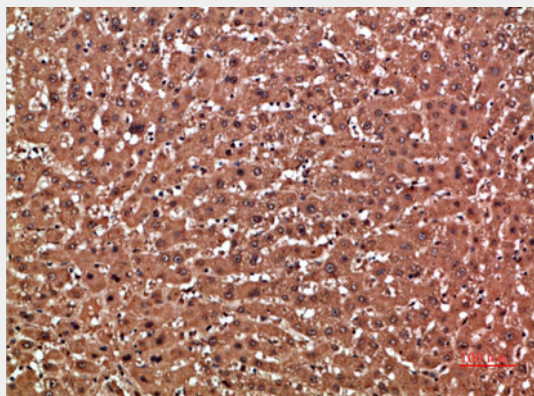
Liver.

## GSTA1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## GSTA1 Polyclonal Antibody - Images



## GSTA1 Polyclonal Antibody - Background

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