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**Product Name: GSTA1 Rabbit Polyclonal Antibody****Catalog #: APRab11827**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

**Dilution Ratio** WB 1:500-1:2000,IHC 1:50-1:200,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000

**Molecular Weight**

**Antigen Information**

<b>Gene Name</b>	GSTA1
<b>Alternative Names</b>	Glutathione S-transferase A1 (EC 2.5.1.18;GST HA subunit 1;GST class-alpha member 1;GST-epsilon;GSTA1-1;GTH1)
<b>Gene ID</b>	2938.0
<b>SwissProt ID</b>	P08263
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human GSTA1. AA range:91-140

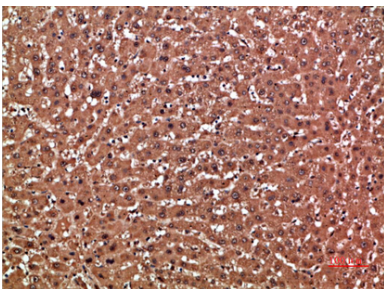
**Background**

This gene encodes a member of a family of enzymes that function to add glutathione to target electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins, and products of oxidative stress. This action is an important step in detoxification of these compounds. This subfamily of enzymes has a particular role in protecting cells from reactive oxygen species and the products of peroxidation. Polymorphisms in this gene influence the ability of individuals to metabolize different drugs. This gene is located in a cluster of similar genes and pseudogenes on chromosome 6. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016],catalytic activity:RX + glutathione = HX + R-S-glutathione.,domain:The C-terminal domain may form a component of the hydrophobic substrate-binding site, but in contrast appears not to be directly involved in GSH binding and is not absolutely essential for catalytic activity.,function:Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.,similarity:Belongs to the GST superfamily.,similarity:Belongs to the GST superfamily. Alpha family.,similarity:Contains 1 GST C-terminal domain.,similarity:Contains 1 GST N-terminal domain.,subunit:Homodimer or heterodimer of GSTA1 and GSTA2.,tissue specificity:Liver.,

## Research Area

Glutathione metabolism;Metabolism of xenobiotics by cytochrome P450;Drug metabolism;

## Image Data



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