

GSTA1 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS16219**Specification**

GSTA1 Antibody - Product Information

Application	WB, ICC, IHC
Primary Accession	P08263
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26kDa KDa

GSTA1 Antibody - Additional Information**Gene ID** 2938**Other Names**

Glutathione S-transferase A1, 2.5.1.18, GST HA subunit 1, GST class-alpha member 1, GST-epsilon, GSTA1-1, GTH1, Glutathione S-transferase A1, N-terminally processed, GSTA1

Reconstitution & Storage

Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Precautions

GSTA1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

GSTA1 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). 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). 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).

Cellular Location

Cytoplasm.

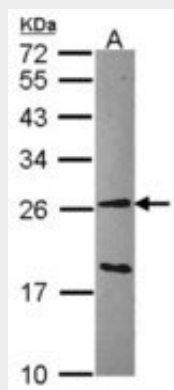
Tissue Location

Liver.

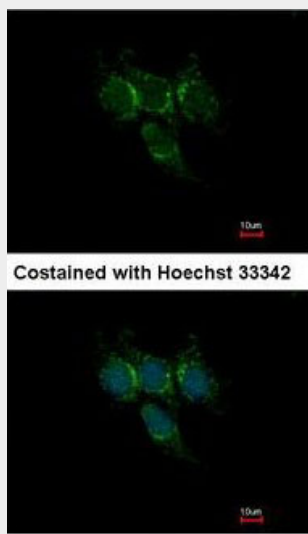
Volume50 μ l**GSTA1 Antibody - Protocols**

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

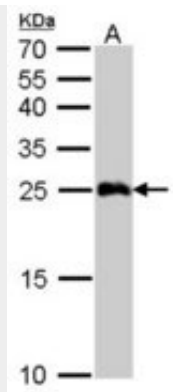
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GSTA1 Antibody - Images

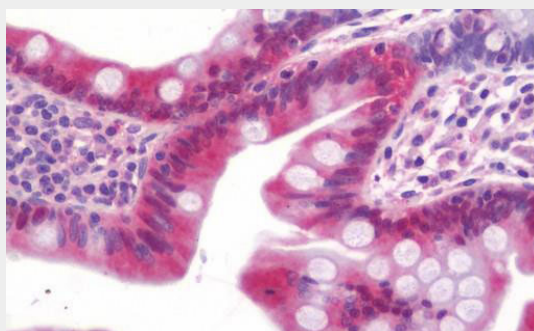
Sample (30 ug of whole cell lysate).



Immunofluorescence of methanol-fixed Hep3B using GSTA1 antibody at 1:500 dilution.



GSTA1 antibody detects GSTA1 protein by Western blot analysis.



Anti-GSTA1 antibody IHC staining of human small intestine.

GSTA1 Antibody - Background

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

GSTA1 Antibody - References

- Tu C.-P.D., et al. Biochem. Biophys. Res. Commun. 141:229-237(1986).
Rhoads D.M., et al. Biochem. Biophys. Res. Commun. 145:474-481(1987).
Tu C.-P.D., et al. Biochem. Soc. Trans. 15:734-736(1987).
Board P.G., et al. Proc. Natl. Acad. Sci. U.S.A. 84:2377-2381(1987).
Rozen F., et al. Arch. Biochem. Biophys. 292:589-593(1992).