

**GSTA1 Antibody (clone 2F7)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS14378****Specification**

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**GSTA1 Antibody (clone 2F7) - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P08263</a>
Reactivity	<b>Human</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Calculated MW	<b>26kDa KDa</b>

**GSTA1 Antibody (clone 2F7) - 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

**Target/Specificity**

Human GSTA1

**Reconstitution & Storage**

Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

**Precautions**

GSTA1 Antibody (clone 2F7) is for research use only and not for use in diagnostic or therapeutic procedures.

**GSTA1 Antibody (clone 2F7) - 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:<a href="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:<a href="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:<a href="http://www.uniprot.org/citations/16624487" target="\_blank">16624487</a>).

**Cellular Location**

Cytoplasm.

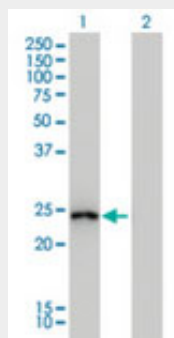
**Tissue Location**

Liver.

**GSTA1 Antibody (clone 2F7) - 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 (clone 2F7) - Images**

Western blot of GSTA1 expression in transfected 293T cell line by GSTA1 monoclonal antibody.

**GSTA1 Antibody (clone 2F7) - Background**

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

**GSTA1 Antibody (clone 2F7) - 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).