



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## GSTA2 purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00002939-D01P

規格 : [ 100 ug ]

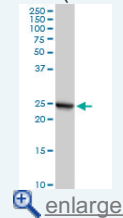
[List All](#)

### Specification

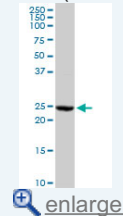
|                                 |   |
|---------------------------------|---|
| <b>Product Description:</b>     | Rabbit polyclonal antibody raised against a full-length human GSTA2 protein.  |
| <b>Immunogen:</b>               | GSTA2 (NP_000837.2, 1 a.a. ~ 222 a.a) full-length human protein.  |
| <b>Sequence:</b>                | MAEKPKLHYSNIRGRMESIRWLLAAGVEFEEKFIKSAEDLDKLRNDGYL<br>MFQQVPMVEIDGMKLVQTRAILNYASKYNLYGKDIKEKALIDMYIEGIADL<br>GEMILLLPFTQPEEQDAKLALIQEKTKNRYFFAFEKVLKSHGQDYLVGNK<br>LSRADIHLVELLYYVEELDSSLISSFPLLKALKTRISNLPVKKFLQPGSPR<br>KPPMDEKSLEESRKIFRF |
| <b>Host:</b>                    | Rabbit  |
| <b>Reactivity:</b>              | Human, Mouse  |
| <b>Quality Control Testing:</b> | Antibody reactive against mammalian transfected lysate.   |
| <b>Storage Buffer:</b>          | In 1x PBS, pH 7.4   |
| <b>Storage Instruction:</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.  |
| <b>MSDS:</b>                    |  <a href="#">Download</a>  |
| <b>Datasheet:</b>               |  <a href="#">Download</a>  |

### Application Image

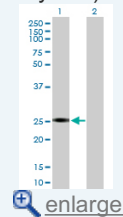
Western Blot (Tissue lysate)



Western Blot (Tissue lysate)

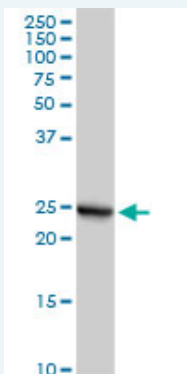


Western Blot (Transfected lysate)



### Applications

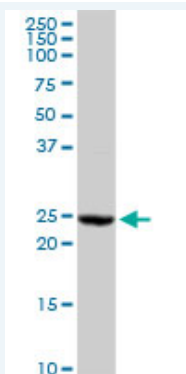
Western Blot (Tissue lysate)



GSTA2 MaxPab rabbit polyclonal antibody. Western Blot analysis of GSTA2 expression in human liver.

 [Protocol Download](#)

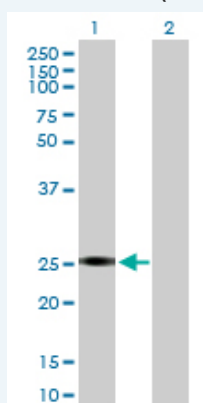
Western Blot (Tissue lysate)



GSTA2 MaxPab rabbit polyclonal antibody. Western Blot analysis of GSTA2 expression in mouse liver.

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#### Western Blot (Transfected lysate)



Western Blot analysis of GSTA2 expression in transfected 293T cell line ([H00002939-T02](#)) by GSTA2 MaxPab polyclonal antibody.

Lane 1: GSTA2 transfected lysate(25.70 kDa).

Lane 2: Non-transfected lysate.

 [Protocol Download](#)

#### Gene Information

Entrez GeneID: [2939](#)

GeneBank [NM\\_000846.3](#)

Accession#:

Protein [NP\\_000837.2](#)

Accession#:

Gene Name: GSTA2

Gene Alias: GST2,GSTA2-2,GTA2,GTH2,MGC10525

Gene glutathione S-transferase alpha 2

Description:

Omim ID: [138360](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes function in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding these enzymes are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of some drugs. At present, eight

distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase belonging to the alpha class. The alpha class genes, located in a cluster mapped to chromosome 6, are the most abundantly expressed glutathione S-transferases in liver. In addition to metabolizing bilirubin and certain anti-cancer drugs in the liver, the alpha class of these enzymes exhibit glutathione peroxidase activity thereby protecting the cells from reactive oxygen species and the products of peroxidation. [provided by RefSeq

**Other Designations:** GST, class alpha, 2,GST-gamma,HA subunit  
2,OTTHUMP00000017883,S-(hydroxyalkyl)glutathione lyase  
A2,glutathione S-alkyltransferase A2,glutathione S-alkyltransferase  
A2,glutathione S-aryltransferase A2,glutathione S-transferase  
2,glutathione S-transferase

### Gene Pathway

[Drug metabolism - cytochrome P450](#) [Glutathione metabolism](#)  
[Metabolism of xenobiotics by cytochrome P450](#)

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