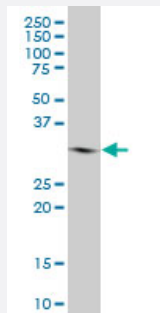


# GSTO1 polyclonal antibody (A01)

Catalog # H00009446-A01

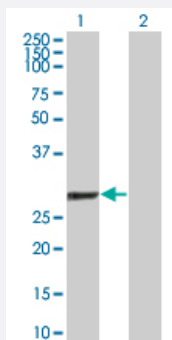
Size 50 uL

## Applications



### Western Blot (Cell lysate)

GSTO1 polyclonal antibody (A01), Lot # 051214JC01 Western Blot analysis of GSTO1 expression in HepG2 ( Cat # L019V1 ).

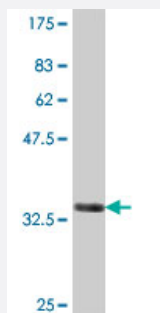


### Western Blot (Transfected lysate)

Western Blot analysis of GSTO1 expression in transfected 293T cell line by GSTO1 polyclonal antibody (A01).

Lane1:GSTO1 transfected lysate(27.566 KDa).

Lane2:Non-transfected lysate.



Western Blot detection against Immunogen (35.9 KDa) .

## Specification

### Product Description

Mouse polyclonal antibody raised against a partial recombinant GSTO1.

### Immunogen

GSTO1 (NP\_004823, 121 a.a. ~ 209 a.a) partial recombinant protein with GST tag.

|                               |                                                                                                         |
|-------------------------------|---------------------------------------------------------------------------------------------------------|
| Sequence                      | SKVPSLVGSFIRSQNKEDYAGLKEEFRKEFTKLEEVLTNNKTTFFGGNSISMIDYLWPWFERLEA<br>MKLNECVDHTPKLKLWMAAMKED            |
| Host                          | Mouse                                                                                                   |
| Reactivity                    | Human                                                                                                   |
| Interspecies Antigen Sequence | Mouse (72); Rat (77)                                                                                    |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (35.9 KDa) . |
| Storage Buffer                | 50 % glycerol                                                                                           |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                |

## Applications

- Western Blot (Cell lysate)

GSTO1 polyclonal antibody (A01), Lot # 051214JC01 Western Blot analysis of GSTO1 expression in HepG2 ( Cat # L019V1 ).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GSTO1 expression in transfected 293T cell line by GSTO1 polyclonal antibody (A01).

Lane1:GSTO1 transfected lysate(27.566 KDa).

Lane2:Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — GSTO1

|                     |                           |
|---------------------|---------------------------|
| Entrez GeneID       | <a href="#">9446</a>      |
| GeneBank Accession# | <a href="#">NM_004832</a> |
| Protein Accession#  | <a href="#">NP_004823</a> |

|                    |                                                                                                                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name          | GSTO1                                                                                                                                                                                                                                           |
| Gene Alias         | DKFZp686H13163, GSTTLp28, P28                                                                                                                                                                                                                   |
| Gene Description   | glutathione S-transferase omega 1                                                                                                                                                                                                               |
| Omim ID            | <a href="#">605482</a>                                                                                                                                                                                                                          |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                       |
| Gene Summary       | This gene encodes a member of the theta class glutathione S-transferase-like (GSTTL) protein family. In mouse, the encoded protein acts as a small stress response protein, likely involved in cellular redox homeostasis. [provided by RefSeq] |
| Other Designations | OTTHUMP00000020429 glutathione S-transferase omega 1-1 glutathione transferase omega 1 glutathione-S-transferase like glutathione-S-transferase omega 1                                                                                         |

## Publication Reference

- [The functional landscape of Hsp27 reveals new cellular processes such as DNA repair and alternative splicing and proposes novel anticancer targets.](#)

Katsogiannou M, Andrieu C, Baylot V, Baudot A, Dusetti NJ, Gayet O, Finetti P, Garrido C, Birnbaum D, Bertucci F, Brun C, Rocchi P.

Molecular & Cellular Proteomics 2014 Dec; 13(12):3585.

Application: WB-Ce, Human, PC-3 cells

- [Identification of platinum-resistance associated proteins through proteomic analysis of human ovarian cancer cells and their platinum-resistant sublines.](#)

Yan XD, Pan LY, Yuan Y, Lang JH, Mao N.

Journal of Proteome Research 2006 Dec; 6(2):772.

Application: WB, Human, A2780, SKOV3

## Pathway

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

## Disease

- [Adenoma](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Amyotrophic lateral sclerosis](#)
- [Arsenic Poisoning](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bile Duct Neoplasms](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Accident](#)
- [Cholangiocarcinoma](#)
- [Cognition](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Huntington disease](#)

- [Hyperlipoproteinemia Type II](#)
- [Intracranial Aneurysm](#)
- [Intracranial Arteriosclerosis](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Parkinson disease](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Skin Diseases](#)
- [Thyroid Neoplasms](#)
- [Thyroid Nodule](#)
- [Ureteral Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Urologic Neoplasms](#)