# GSTO2 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | GSTO2, Polyclonal Antibody |
| **Full Product Name** | GSTO2 |
| **Product Gene Name** | anti-GSTO2 antibody |
| **Product Synonym Names** | GSTO 2-2; bA127L20.1 |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse, Rat |
| **Purity/Purification** | Affinity purification |
| **Preparation and Storage** | Aliquot and store at-20 degree C. Avoid repeated freeze/thaw cycles. |
| **Molecular Weight** | 28kDa |
| **OMIM** | 612314 |
| **3D Structure** | ModBase 3D Structure for Q9H4Y5 |
| **Immunogen** | Recombinant protein of human GSTO2 |
| **Storage Buffer** | PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Applications Tested/Suitable for anti-GSTO2 antibody** | Western Blot (WB), Immunohistochemistry (IHC) |
| **Application Notes for anti-GSTO2 antibody** | WB: 1:500-1:2000<br>IHC: 1:50-1:200 |
| **Related Product Information for anti-GSTO2 antibody** | The protein encoded by this gene is an omega class glutathione S-transferase (GST). GSTs are involved in the metabolism of xenobiotics and carcinogens. Four transcript variants encoding different isoforms have been found for this gene. |
| **Other Notes** | Small volumes of anti-GSTO2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for GSTO2 purchase** | MBS8535750 is an antibody targeting GSTO2. Reactive in Human, Mouse, Rat. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GSTO2. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 300360567 |
| **NCBI GeneID** | 119391 |
| **NCBI Accession #** | NP_001177942.1 |
| **UniProt Primary Accession #** | Q9H4Y5 |

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| **UniProt Secondary Accession #** | Q49TW5; Q5GM70; Q5JU15; Q86WP3; A8K771; B4DJW6; E7ESD6 |
| **UniProt Related Accession #** | Q9H4Y5 |
| **GenBank Nucleotide #** | NM_001191013.1 |
| **NCBI Official Full Name** | glutathione S-transferase omega-2 isoform 2 |
| **NCBI Official Synonym Full Names** | glutathione S-transferase omega 2 |
| **NCBI Official Symbol** | GSTO2 |
| **NCBI Official Synonym Symbols** | GSTO 2-2; bA127L20.1 |
| **UniProt Protein Name** | Glutathione S-transferase omega-2 |
| **UniProt Synonym Protein Names** | Glutathione S-transferase omega 2-2; GSTO 2-2; Glutathione-dependent dehydroascorbate reductase (EC:1.8.5.1 |
| **Protein Family** | Glutathione S-transferase |
| **UniProt Gene Name** | GSTO2 |
| **UniProt Synonym Gene Names** | MMA(V) reductase |
| **NCBI Protein Information** | glutathione S-transferase omega-2 |
| **UniProt Comments for GSTO2** | Exhibits glutathione-dependent thiol transferase activity. Has high dehydroascorbate reductase activity and may contribute to the recycling of ascorbic acid. Participates in the biotransformation of inorganic arsenic and reduces monomethylarsonic acid (MMA). |
| **Research Articles on GSTO2** | **1.** GSTO2 genetic polymorphisms are not associated with the development of graft-versus-host disease after allogeneic hematopoietic stem cell transplantation. |
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