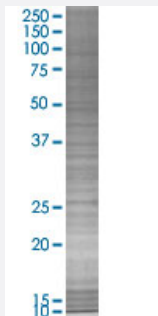


GSTO2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00119391-T02

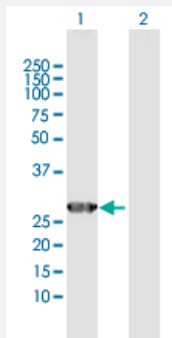
Size 100 uL

Applications



SDS-PAGE Gel

GSTO2 transfected lysate.



Western Blot

Lane 1: GSTO2 transfected lysate (28.3 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-GSTO2 full-length
Host	Human
Theoretical MW (kDa)	28.3
Interspecies Antigen Sequence	Mouse (83); Rat (85)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-GSTO2 antibody ([H00119391-D01](#)) by Western Blots.

SDS-PAGE Gel

GSTO2 transfected lysate.

Western Blot

Lane 1: GSTO2 transfected lysate (28.3 KDa)

Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — GSTO2

Entrez GeneID

[119391](#)

GeneBank Accession#

[NM_183239.1](#)

Protein Accession#

[NP_899062.1](#)

Gene Name

GSTO2

Gene Alias

bA127L20.1

Gene Description

glutathione S-transferase omega 2

Gene Ontology

[Hyperlink](#)

Gene Summary

The omega class glutathione transferases (GST; EC 2.5.1.18) have poor activity with common GST substrates, but exhibit novel glutathione-dependent thioltransferase, dehydroascorbate reductase, and monomethylarsonate reductase activities, and they modulate Ca(2+) release by ryanodine receptors (e.g., RYR1, MIM 180901) (Whitbread et al., 2003 [PubMed 12618591]). For background information on GSTs, see MIM 605482.[supplied by OMIM]

Other Designations

OTTHUMP00000020440|bA127L20.1 (novel glutathione-S-transferase)|glutathione-S-transferase-like protein

Pathway

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

Disease

- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Arsenic Poisoning](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bile Duct Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cholangiocarcinoma](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Huntington disease](#)
- [Kidney Neoplasms](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Ovarian cancer](#)

- [Ovarian Neoplasms](#)
- [Parkinson disease](#)
- [Pulmonary Disease](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Ureteral Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Urologic Neoplasms](#)