

Datasheet for ABIN1000914
GSTO1 Protein (AA 1-241) (His tag)



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Overview

Quantity:	10 µg
Target:	GSTO1
Protein Characteristics:	AA 1-241
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GSTO1 protein is labelled with His tag.
Application:	Western Blotting (WB), Control (Ct)

Product Details

Purpose:	Glutathione S-Transferase Omega 1 140 A (GST-01) (Western Blot Control)
Sequence:	MSGESARSLG KGSAPPGPVP EGSIRIYSMR FCPFAERTRL MSGESARSLG KGSAPPGPVP EGSIRIYSMR FCPFAERTRL MSGESARSLG KGSAPPGPVP EGSIRIYSMR FCPFAERTRL MSGESARSLG KGSAPPGPVP EGSIRIYSMR FCPFAERTRL MSGESARSLG KGSAPPGPVP EGSIRIYSMR FCPFAERTRL MSGESARSLG KGSAPPGPVP EGSIRIYSMR FCPFAERTRL L
Characteristics:	recombinant GSTO1 comprises a 241 amino acid fragment (1- 241) corresponding to the GSTO1 mature protein, which is expressed in E. coli with an amino-terminal hexahistidine tag.
Purity:	> 95 %

Target Details

Target:	GSTO1
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Target Details

Alternative Name:	Glutathione S-Transferase Omega 1 (GSTO1 Products)
Background:	<p>GSTO1 is a member of the theta class glutathione S-transferase-like (GSTTL) protein family. GSTO1 is expressed in a wide range of human tissues and exhibits glutathione-dependent thiol transferase and dehydroascorbate reductase activities and also catalyzes the reduction of monomethylarsonate, an intermediate in the pathway of arsenic biotransformation. GSTO1 protects from oxidative stress, a risk factor for Alzheimer disease, vascular dementia and stroke.,GSTTLp28, P28, glutathione S-transferase omega 1-1, glutathione transferase omega, glutathione transferase omega 1, glutathione-Stransferase like, Monomethyl Arsenous Reductase.</p>
Molecular Weight:	32.1 kDa
UniProt:	P78417
Pathways:	Myometrial Relaxation and Contraction , Negative Regulation of Transporter Activity

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Supplied in 1x Laemmli Buffer (25 mM Tris-HCl pH 6.8, 50 mM DTT, 1 % (w/v) SDS, 0.1 % (w/v) Bromophenol Blue, 2.5 % Glycerol).
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C