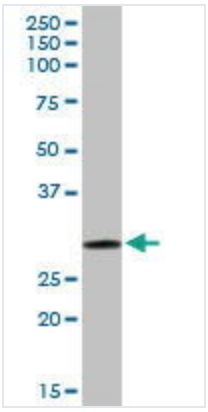
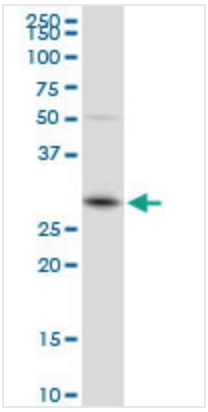
GSTO1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

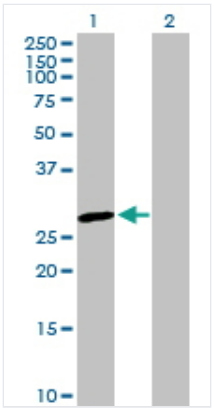
Product Name	GSTO1, Polyclonal Antibody
Full Product Name	GSTO1 (Glutathione S-transferase omega-1, GSTO 1-1, GSTTLP28) (HRP)
Product Gene Name	anti-GSTO1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rabbit
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human GSTO1.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing a
Immunogen	Full length human GSTO1, aa1-241 (NP_004823.1).
Immunogen Sequence	MSGESARSLGKGSAPPGPVPEGSIRIYSMRFCPFAERTRLVLKAKGIRHEVININLKNKPEWFFKKNPFGLVPVLENSQGQLIYESAITCEYLDEAYPGKKL
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-GSTO1 antibody	Antibodies; Enzymes; Transferase
Applications Tested/Suitable for anti-GSTO1 antibody	Western Blot (WB)
Application Notes for anti-GSTO1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-GSTO1 antibody	GSTO1 is a member of the theta class glutathione S-transferase-like (GSTTL) protein family. In mouse, this protein acts as a small stress response pro
Other Notes	Small volumes of anti-GSTO1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for GSTO1 purchase	MBS6380433 is an antibody targeting GSTO1. Also known as GSTO1 (Glutathione S-transferase omega-1, GSTO 1-1, GSTTLP28) (HRP). Reactive in



Western Blot (WB) of anti-GSTO1 antibody
GSTO1 rabbit polyclonal antibody. Western Blot analysis of GSTO1 expression in human liver.



Western Blot (WB) of anti-GSTO1 antibody
GSTO1 rabbit polyclonal antibody. Western Blot analysis of GSTO1 expression in Jurkat.



Western Blot (WB) of anti-GSTO1 antibody
Western Blot analysis of GSTO1 expression in transfected 293T cell line by GSTO1 polyclonal antibody. Lane 1: GSTO1 transfected lysate (27.6kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GSTO1. It may not necessarily be applicable to this product.

NCBI GI #	4758483
NCBI GeneID	9446
NCBI Accession #	NM_004832.1
UniProt Related Accession #	P78417
GenBank Nucleotide #	NM_004832.1
NCBI Official Full Name	Homo sapiens glutathione S-transferase omega 1 (GSTO1), mRNA
NCBI Official Synonym Full Names	glutathione S-transferase omega 1
NCBI Official Symbol	GSTO1
NCBI Official Synonym Symbols	P28; SPG-R; GSTO 1-1; GSTTLp28; HEL-S-21
Protein Family	Glutathione S-transferase
NCBI Protein Information	glutathione S-transferase omega-1
NCBI Summary for GSTO1	The protein encoded by this gene is an omega class glutathione S-transferase (GST) with glutathione-dependent thiol transferase and dehydroascorbate reductase activities. GSTs are involved in the metabolism of xenobiotics and carcinogens. The encoded protein acts as a homodimer and is found in the cytoplasm. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]

Research Articles on GSTO1	**1.** The GSTO1-1 either directly interacts with Akt and MEK1/2 or interacts with a protein complexed with Akt and MEK1/2 as both kinases coimmunoprecipitated with GSTO1-1. The results suggest that GSTO1-1 enzyme activity inhibits the activation of these two kinases to maintain basal levels.
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