10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GSTO2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5840c

Product Information

Application	WB, FC, IF, E
Primary Accession	Q9H4Y5
Other Accession	Q8K2Q2, NP_899062.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB21080
Calculated MW	28254
Antigen Region	82-110

Additional Information

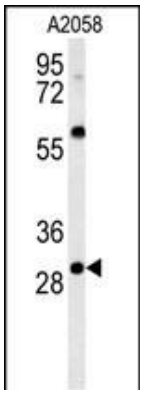
Gene ID	119391
Other Names	Glutathione S-transferase omega-2, GSTO-2, Glutathione S-transferase omega 2-2, GSTO 2-2, Glutathione-dependent dehydroascorbate reductase, Monomethylarsonic acid reductase, MMA(V) reductase, GSTO2
Target/Specificity	This GSTO2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 82-110 amino acids from the Central region of human GSTO2.
Dilution	WB~~1:1000 FC~~1:10~50 IF~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GSTO2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

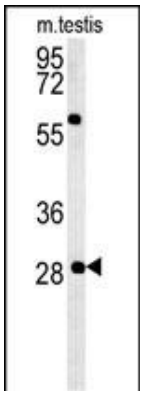
Name	GSTO2

Function	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).
Tissue Location	Expressed in a range of tissues, including the liver, kidney, skeletal muscle and prostate. Strongest expression in the testis.

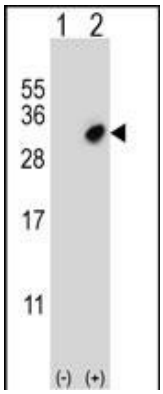
Images



GSTO2 Antibody (Center) (Cat. #AP5840c) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the GSTO2 antibody detected the GSTO2 protein (arrow).

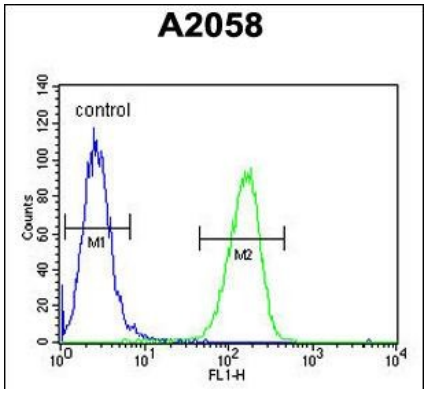


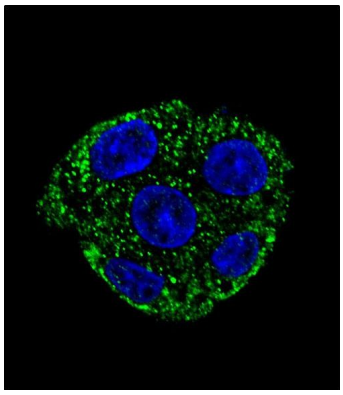
GSTO2 Antibody (Center) (Cat. #AP5840c) western blot analysis in mouse testis tissue lysates (35ug/lane).This demonstrates the GSTO2 antibody detected the GSTO2 protein (arrow).



Western blot analysis of GSTO2 (arrow) using rabbit polyclonal GSTO2 Antibody (Center) (Cat. #AP5840c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GSTO2 gene.

GSTO2 Antibody (Center) (Cat. #AP5840c) flow cytometric analysis of A2058 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.





Confocal immunofluorescent analysis of GSTO2 Antibody (Center)(Cat#AP5840c) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.