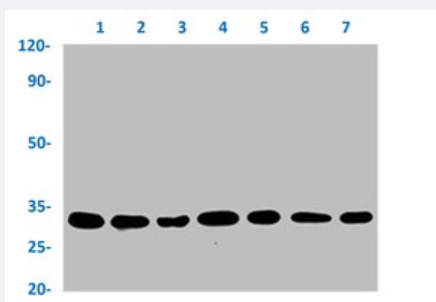


RecomAb™

GSTO1 recombinant monoclonal antibody, clone 2C7

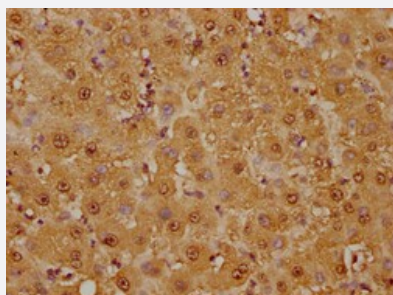
Catalog # RAB04326 Size 100 uL

Applications



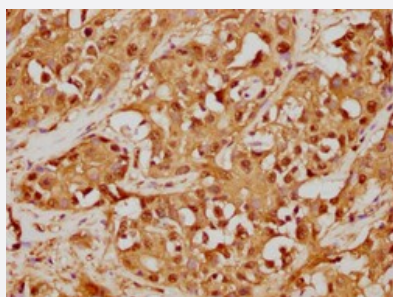
Western Blot

Western blot analysis of Lane 1: Jurkat whole cell lysate, Lane 2: PC3 whole cell lysate, Lane 3: Raji whole cell lysate, Lane 4: K562 whole cell lysate, Lane 5: Hela whole cell lysate, Lane 6: A549 whole cell lysate and Lane 7: HepG2 whole cell lysates with GSTO1 recombinant monoclonal antibody, clone 2C7 (Cat # RAB04326).



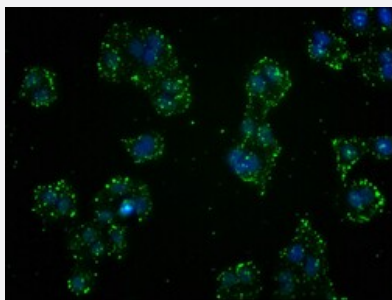
Immunohistochemistry

Immunohistochemical staining of human liver tissue with GSTO1 recombinant monoclonal antibody, clone 2C7 (Cat # RAB04326) (diluted at 1:125).



Immunohistochemistry

Immunohistochemical staining of human liver cancer with GSTO1 recombinant monoclonal antibody, clone 2C7 (Cat # RAB04326) (diluted at 1:125)



Immunofluorescence

Immunofluorescent staining of HepG2 cells with GSTO1 recombinant monoclonal antibody, clone 2C7 (Cat # RAB04326) (diluted at 1:41). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human GSTO1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human GSTO1.
Theoretical MW (kDa)	Calculated MW: 28, 2
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: Jurkat whole cell lysate, Lane 2: PC3 whole cell lysate, Lane 3: Raji whole cell lysate, Lane 4: K562 whole cell lysate, Lane 5: Hela whole cell lysate, Lane 6: A549 whole cell lysate and Lane 7: HepG2 whole cell lysates with GSTO1 recombinant monoclonal antibody, clone 2C7 (Cat # RAB04326).

- Immunohistochemistry

Immunohistochemical staining of human liver tissue with GSTO1 recombinant monoclonal antibody, clone 2C7 (Cat # RAB04326) (diluted at 1:125).

- Immunohistochemistry

Immunohistochemical staining of human liver cancer with GSTO1 recombinant monoclonal antibody, clone 2C7 (Cat # RAB04326) (diluted at 1:125)

- Immunofluorescence

Immunofluorescent staining of HepG2 cells with GSTO1 recombinant monoclonal antibody, clone 2C7 (Cat # RAB04326) (diluted at 1:41). The secondary antibody was Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — GSTO1

Entrez GeneID [9446](#)

Protein Accession# [P78417](#)

Gene Name GSTO1

Gene Alias DKFZp686H13163, GSTTLp28, P28

Gene Description glutathione S-transferase omega 1

Omim ID [605482](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the theta class glutathione S-transferase-like (GSTTL) protein family. In mouse, the encoded protein acts as a small stress response protein, likely involved in cellular redox homeostasis. [provided by RefSeq]

Other Designations OTTHUMP00000020429|glutathione S-transferase omega 1-1|glutathione transferase omega 1|glutathione-S-transferase like|glutathione-S-transferase omega 1

Pathway

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

Disease

- [Adenoma](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Amyotrophic lateral sclerosis](#)
- [Arsenic Poisoning](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bile Duct Neoplasms](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Accident](#)
- [Cholangiocarcinoma](#)
- [Cognition](#)
- [Dementia](#)
- [Diabetes Mellitus](#)

- [Disease Progression](#)
- [DNA Damage](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Huntington disease](#)
- [Hyperlipoproteinemia Type II](#)
- [Intracranial Aneurysm](#)
- [Intracranial Arteriosclerosis](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Parkinson disease](#)
- [Precancerous Conditions](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Skin Diseases](#)
- [Thyroid Neoplasms](#)
- [Thyroid Nodule](#)
- [Ureteral Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Urologic Neoplasms](#)