

## Anti-GSTO1 Antibody (3Y16)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3Y16
Purification:	Affinity-chromatography

### Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none"><li>-Positive WB detected in: Jurkat whole cell lysate, PC3 whole cell lysate, Raji whole cell lysate, K562 whole cell lysate, Hela whole cell lysate, A549 whole cell lysate, HepG2 whole cell lysate</li><li>-All lanes: GSTO1 antibody at 1.25µg/ml</li><li>-Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution</li><li>-Predicted band size: 28, 24, 25 KDa</li><li>-Observed band size: 28 KDa</li></ul> <p>2. IHC image of TMAH-00521 diluted at 1:125 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.</p> <p>3. IHC image of TMAH-00521 diluted at 1:125 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.</p> <p>4. Immunofluorescence staining of HepG2 cells with TMAH-00521 at 1:41, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).</p>
Application:	ELISA, WB, IHC, IF
Recommended	WB:1:500-1:5000; IHC:1:50-1:200; IF:1:20-1:200.

### Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: A synthetic peptide: Human GSTO1

Antigen Species: Human

Gene ID: 9446

Uniprot ID: P78417

Synonyms: Glutathione-dependent dehydroascorbate reductase;Glutathione S-transferase omega 1-1; GSTO-1;DKFZp686H13163;Glutathione transferase omega 1;MMA(V) reductase;SPG-R;S-(Phenacyl)glutathione reductase;GSTO1 1;AU018802;GSTTLp28;AI194287;Glutathione-S-transferase like;EC 2.5.1.18;Glutathione S transferase omega 1;Monomethylarsonic acid reductase;Gtsttl;GSTO 1-1;MGC94845;GSTX;p28;OTTHUMP00000020429;AA407097

Biology Area: Tags & Cell Markers

---

### Research Background

Exhibits glutathione-dependent thiol transferase and dehydroascorbate reductase activities. Has S-(phenacyl) glutathione reductase activity. Has also glutathione S-transferase activity. Participates in the biotransformation of inorganic arsenic and reduces monomethylarsonic acid (MMA) and dimethylarsonic acid.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481