

Anti-GSTM3 Antibody (3W451)

Product Details

Ig Type:	IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3W451
Purification:	Protein G purified

Applications

Verified Activity:	<p>1. Western Blot</p> <ul style="list-style-type: none">-Positive WB detected in: Hela whole cell lysate, HepG2 whole cell lysate, MCF-7 whole cell lysate, A549 whole cell lysate, Rat brain tissue-All lanes: GSTM3 antibody at 1:1000-Secondary: Goat polyclonal to mouse IgG at 1/50000 dilution-Predicted band size: 27 KDa-Observed band size: 27 KDa-Exposure time: 10min <p>2. IHC image of TMAH-00520 diluted at 1:100 and staining in paraffin-embedded human testes 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. Overlay Peak curve showing Hela cells stained with TMAH-00520 (red line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.</p>
Application:	ELISA, WB, IHC, FCM

Properties

Purity:	>95%
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:	Recombinant Protein: Human Glutathione S-transferase Mu 3 Protein (1-225AA)
Antigen Species:	Human
Gene ID:	2947
Uniprot ID:	P21266
Synonyms:	glutathione S alkyltransferase M3;brain type mu glutathione S transferase;Glutathione S transferase Mu 3;MGC3310;Gstm3;GST5;GST class mu 3;GTM3;hGSTM3-3;GSTM3-3;GSTB;brain GST;glutathione S transferase M3;S (hydroxyalkyl)glutathione lyase M3;MGC3704
Biology Area:	Signal Transduction

Research Background

Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. May govern uptake and detoxification of both endogenous compounds and xenobiotics at the testis and brain blood barriers.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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