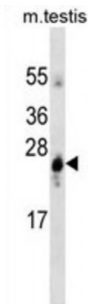


Glutathione S Transferase Alpha 1 (GSTA1) Antibody

Catalogue No.: abx025297



Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes function in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding these enzymes are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of some drugs. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase belonging to the alpha class. The alpha class genes, located in a cluster mapped to chromosome 6, are the most abundantly expressed glutathione S-transferases in liver. In addition to metabolizing bilirubin and certain anti-cancer drugs in the liver, the alpha class of these enzymes exhibit glutathione peroxidase activity thereby protecting the cells from reactive oxygen species and the products of peroxidation. This antibody is supplied as crude ascites.

Target: GSTA1

Reactivity: Mouse

Host: Mouse

Clonality: Monoclonal

Tested Applications: WB

Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Human GSTA1.

Purification: Mouse Monoclonal Antibody (Mab) supplied as crude ascites.

Isotype: IgMk

Conjugation: Unconjugated

Specificity: This GSTA1 monoclonal antibody is generated from mouse immunized with GSTA1 recombinant protein.

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Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Swiss Prot: [P08263](#)

Buffer: Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Note: This product is for research use only.