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GSTM1 Polyclonal Antibody

Cat #: G-AB-00246

Host: Rabbit **Reactivity:** Human, Mouse, Rat

Isotype: IgG **Clonality:** Polyclonal

Overview:
Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. 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 that belongs to the mu class. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding the mu class of enzymes are organized in a gene cluster on chromosome 1p13.3 and 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 certain drugs. Null mutations of this class mu gene have been linked with an increase in a number of cancers, likely due to an increased susceptibility to environmental toxins and carcinogens. Multiple protein isoforms are encoded by transcript variants of this gene.

Gene ID:

Accession #:

Immunogen: Recombinant Mouse Glutathione S-transferase Mu 1 protein

Conjugation: Unconjugated

Swissprot: P10649

Calculated Molecular Weight: 26 kDa

Observed Molecular Weight: 26 kDa

Concentration: 0.54 mg/mL

Buffer: PBS with 0.05% Proclin300 and 50% glycerol, pH7.4.

Purification Method: Antigen Affinity Purification

Application: WB,IHC,IF

Dilution: WB 1:500-1:6000 IHC 1:100-1:200 IF 1:100-1:200

Storage: Store at -20°C. Avoid freeze / thaw cycles.