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GSTM3 Rabbit pAb

Catalog No.: A15062

Basic Information

Observed MW

Calculated MW
27kDa

Category
Primary antibody

Applications
ELISA

Cross-Reactivity
Human

Background

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. Mutations of this class mu gene have been linked with a slight increase in a number of cancers, likely due to exposure with environmental toxins. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

Immunogen Information

Gene ID
2947

Swiss Prot
P21266

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 1-225 of human GSTM3 (NP_000840.2).

Synonyms
GST5; GSTB; GTM3; GSTM3-3; GSTM3TV2; hGSTM3-3; GSTM3

Contact

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Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.