003216589045 (EU)

# GSTM3 Polyclonal Antibody 

Cat \#: G-AB-08915

| Host: Rabbit | Reactivity: Human |
| :--- | :--- |
| Isotype: IgG | Clonality: |

## 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 1 p13.3 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.

Gene ID: 2947

## Accession \#

Immunogen: Recombinant fusion protein of human GSTM3 (NP_000840.2).

Conjugation: Unconjugated

Swissprot: P21266

## Calculated Molecular Weight:

## Observed Molecular Weight:

Concentration: $1 \mathrm{mg} / \mathrm{mL}$

Buffer: PBS with 0.02\% sodium azide, 50\% glycerol, pH7.3

Purification Method: Affinity purification
Application: IF

Dilution: IF 1:50-1:200

Storage: Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles.

