

GSTM3 Polyclonal Antibody

Catalog No.	A7679	Category	Polyclonal Antibodies
Applications	WB, IF	Observed MW	25kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	26kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 101-225 of human GSTM3 (NP_000840.2).
Gene ID	2947
Swiss prot	P21266
Synonyms	GSTM3; GST5; GSTB; GSTM3-3; GTM3; glutathione S-transferase Mu 3

Product information

Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

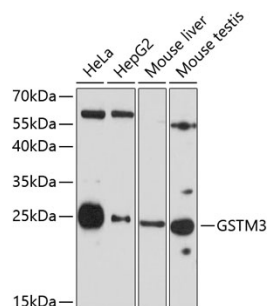
Background

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.

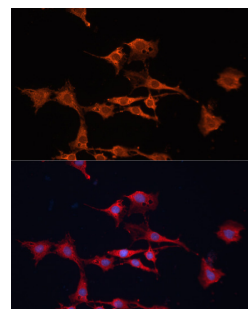
Recommended Dilutions

WB 1:500 -
1:2000

IF 1:50 -
1:200



Western blot - GSTM3 Polyclonal Antibody (A7679)



Immunofluorescence - GSTM3 Polyclonal Antibody (A7679)