

GSTM3 Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP10306
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human GSTM3
Mol wt	24750
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	WB
Concentration	1 mg/ml
Full name	GSTM3
Synonyms	GSTM3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

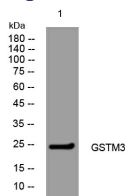
Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. At present| eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha| kappa| mu| omega| pi| sigma| theta and zeta. This gene encodes 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 Dilution

WB: 1: 500 - 1: 2000

Not yet tested in other applications.

Images



Western blot analysis of lysates from HuvEc cells, primary antibody was diluted at 1:1000, 4°C overnight

Storage

-20°C for 1 year