

GSTM5 Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP10307
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human GSTM5
Mol wt	23980
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB
Concentration	1 mg/ml
Full name	GSTM5
Synonyms	GSTM5

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

Background

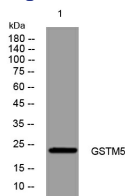
Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. At present| eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha| kappa| mu| omega| pi| sigma| theta and zeta. This gene encodes 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. Diversification of these genes has occurred in regions encoding substrate-binding domains| as well as in tissue expression patterns| to accommodate an increasing number of foreign compounds.

Recommended Dilution

WB: 1: 500 - 1: 2000

Not yet tested in other applications.

Images



Western blot analysis of lysates from MCF-7 cells, primary antibody was diluted at 1:1000, 4°C overnight

Storage

-20°C for 1 year