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Datasheet for ABIN7260901 anti-GSTM3 antibody

Image



#### Overview

Quantity:	200 µL
Target:	GSTM3
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTM3 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	Recombinant fusion protein of human GSTM3 (NP_000840.2).
lsotype:	lgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

### Target Details

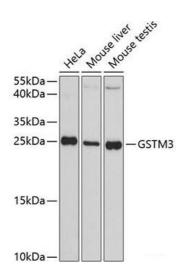
Target:	GSTM3
Alternative Name:	GSTM3 (GSTM3 Products)
Background:	Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and
	zeta. This gene encodes a glutathione S-transferase that belongs to the mu class. The mu class

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## Target Details

	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.
Molecular Weight:	Observed_MW: 25 kDa Calculated_MW: 26 kDa
Gene ID:	2947
UniProt:	P21266
Application Details	
Application Notes:	WB 1:500-1:2000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

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#### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines using GSTM3 Polyclonal Antibody at dilution of 1:3000.

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