antibodies -online.com





anti-GSTM5 antibody



Overview

Quantity:	100 μL
Target:	GSTM5
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSTM5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Full length human GSTM5 Recombinant protein.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	GSTM5
Alternative Name:	glutathione S-transferase mu 5 (GSTM5 Products)
Background:	Glutathione S-transferase mu 5 , GSTM5-5 , GTM5,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. [provided by RefSeq]

Molecular Weight:	26 kDa
Gene ID:	2949
UniProt:	P46439

Application Details

Application Notes:	WB: 1:5000-1:20000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal
	dilutions/concentrations should be determined by the researcher. Not tested in other
	applications.
Comment:	Positive Control: mouse testis , rat testis
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.