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GSTM2 Rabbit pAb

Catalog # AP97933

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	P28161
Other Accession	P28161
Predicted	Rat, Pig, Human, Mouse, Rabbit, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25745
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GSTM2
Epitope Specificity	121-218/218
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the GST superfamily. Mu family. Contains 1 GST C-terminal domain. Contains 1 GST N-terminal domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	2946
Other Names	GST4; GSTM; GSTM2-2; GTHMUS; Gstb-2; Gstb2; GSTA4; GSTM2_HUMAN; GSTM2; GST class-mu 2; 2.5.1.18; GSTM2_MOUSE; GST 5-5; Glutathione S-transferase pmGT2; GSTM2_RAT; GST 4-4; Glutathione S-transferase Yb-2 (GST Yb2); glutathione S-transferase mu 2; glutathione S-transferase M2 (muscle); glutathione S-transferase mu 2 (muscle)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GSTM2 (HGNC:4634)
Synonyms	GST4
Function	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Participates in the formation of novel hepoxilin regioisomers (PubMed:21046276).
Cellular Location	Cytoplasm.
Tissue Location	Muscle.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.