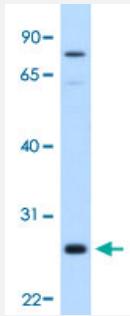


GSTM2 polyclonal antibody

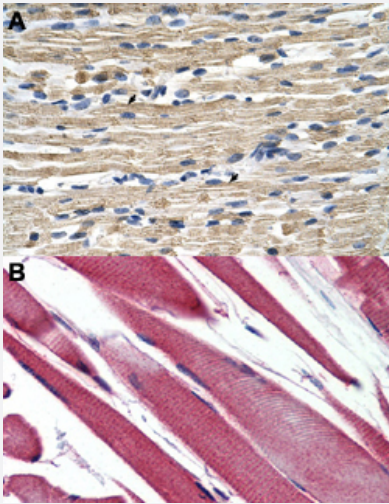
Catalog # PAB30112 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western Blot analysis of human fetal liver tissue lysate with GSTM2 polyclonal antibody (Cat # PAB30112) at 0.2-1 ug/mL working concentration.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skeletal muscle (A, B) with GSTM2 polyclonal antibody (Cat # PAB30112).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of human GSTM2.
Immunogen	A synthetic peptide corresponding to N-terminus of human GSTM2.
Sequence	TQSNAILRYARKHNLGGESEKEQIREIDILENQFMDSRMQLAKLCYDPDF
Host	Rabbit

Theoretical MW (kDa)	26
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot (0.2-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (2% sucrose, 0.09% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western Blot analysis of human fetal liver tissue lysate with GSTM2 polyclonal antibody (Cat # PAB30112) at 0.2-1 ug/mL working concentration.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skeletal muscle (A, B) with GSTM2 polyclonal antibody (Cat # PAB30112).

Gene Info — GSTM2

Entrez GeneID	2946
GeneBank Accession#	NM_000848
Protein Accession#	NP_000839:P28161
Gene Name	GSTM2
Gene Alias	GST4, GSTM, GSTM2-2, GTHMUS, MGC117303
Gene Description	glutathione S-transferase mu 2 (muscle)
Omim ID	138380

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

GST class-mu 2|GST, muscle|OTTHUMP00000013351|S-(hydroxyalkyl)glutathione lyase M2|glutathione S-alkyltransferase M2|glutathione S-alkyltransferase M2|glutathione S-aryltransferase M2|glutathione S-transferase 4|glutathione S-transferase M1|glutathione

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glutathione metabolism](#)
- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Helicobacter Infections](#)
- [Hypertension](#)
- [Kidney Failure](#)

- [Lung Neoplasms](#)
- [Neoplasms](#)
- [Prenatal Exposure Delayed Effects](#)
- [Stomach Neoplasms](#)