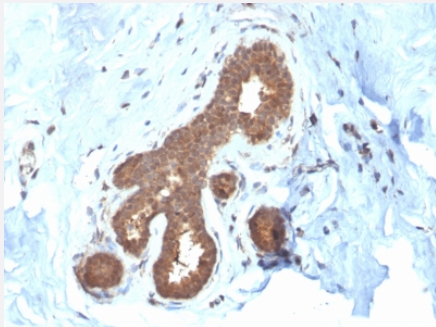


GSTM2 monoclonal antibody, clone CPTC-GSTMu2-2

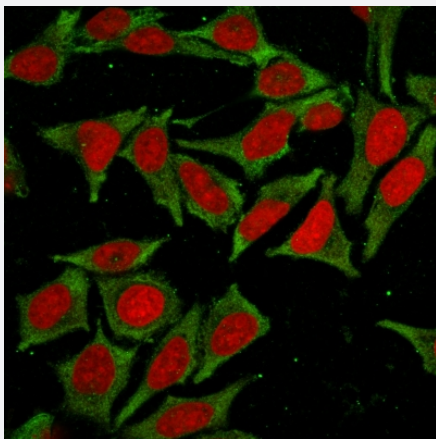
Catalog # MAB21033 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Breast Carcinoma using GSTM2 monoclonal antibody, clone CPTC-GSTMu2-2.



Immunofluorescence

Immunofluorescent staining of human HeLa cells labeling GSTM2 with GSTM2 monoclonal antibody, clone CPTC-GSTMu2-2.

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human GSTM2.
Immunogen	Recombinant protein corresponding to full length human GSTM2.
Host	Mouse
Reactivity	Human
Form	Liquid

Purification	Protein A/G purification
Isotype	IgG1
Recommend Usage	Immunofluorescence (0.5-1ug/mL) Immunohistochemistry (Formalin-fixed) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide)
Storage Instruction	Store at 2 to 8°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human Breast Carcinoma using GSTM2 monoclonal antibody, clone CPTC-GSTMu2-2.

- Immunofluorescence

Immunofluorescent staining of human HeLa cells labeling GSTM2 with GSTM2 monoclonal antibody, clone CPTC-GSTMu2-2.

Gene Info — GSTM2

Entrez GeneID	2946
Protein Accession#	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](#)