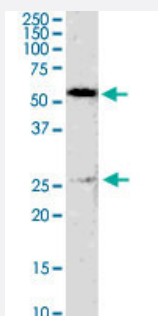


GSTM4 monoclonal antibody (M01), clone 4B4

Catalog # H00002948-M01

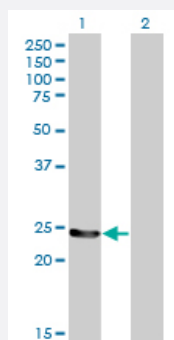
Size 100 ug

Applications



Western Blot (Cell lysate)

GSTM4 monoclonal antibody (M01), clone 4B4. Western Blot analysis of GSTM4 expression in HeLa.

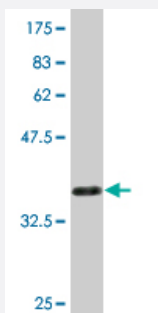


Western Blot (Transfected lysate)

Western Blot analysis of GSTM4 expression in transfected 293T cell line by GSTM4 monoclonal antibody (M01), clone 4B4.

Lane 1: GSTM4 transfected lysate(25.6 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.41 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant GSTM4.

Immunogen	GSTM4 (AAH15513.1, 23 a.a. ~ 119 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	YTDSSYEEKKYTMGDAPDYDRSQWLNEKFKLGLDFPNLPYLIDGAHKITQSNAILCYIARKHNLCGETEEKIRVDILENQAMDVSNQLARVCYSPD
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

GSTM4 monoclonal antibody (M01), clone 4B4. Western Blot analysis of GSTM4 expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of GSTM4 expression in transfected 293T cell line by GSTM4 monoclonal antibody (M01), clone 4B4.

Lane 1: GSTM4 transfected lysate(25.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — GSTM4

Entrez GeneID [2948](#)

GeneBank Accession# [BC015513](#)

Protein Accession#	AAH15513.1
Gene Name	GSTM4
Gene Alias	GSTM4-4, GTM4, MGC131945, MGC9247
Gene Description	glutathione S-transferase mu 4
Omim ID	138333
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. 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. Multiple transcript variants, each encoding a distinct protein isoform, have been identified. [provided by RefSeq]
Other Designations	GST class-mu 4 GTS-Mu2 OTTHUMP00000013356 OTTHUMP00000013358 S-(hydroxyalkyl)glutathione lyase M4 glutathione S-alkyltransferase M4 glutathione S-aralkyltransferase M4 glutathione S-aryltransferase M4 glutathione S-transferase M4

Pathway

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

Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)

- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Neoplasms](#)
- [Prenatal Exposure Delayed Effects](#)
- [Recurrence](#)