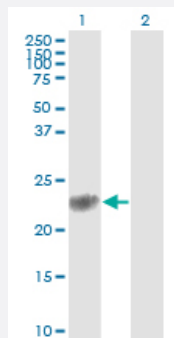


GSTP1 monoclonal antibody (M01), clone 2G6-F6

Catalog # H00002950-M01

Size 100 ug

Applications

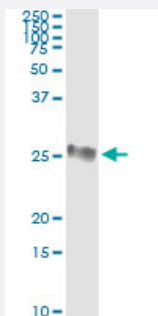


Western Blot (Transfected lysate)

Western Blot analysis of GSTP1 expression in transfected 293T cell line by GSTP1 monoclonal antibody (M01), clone 2G6-F6.

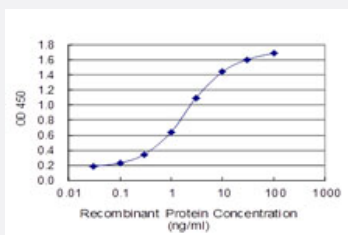
Lane 1: GSTP1 transfected lysate (Predicted MW: 23.3 kDa).

Lane 2: Non-transfected lysate.



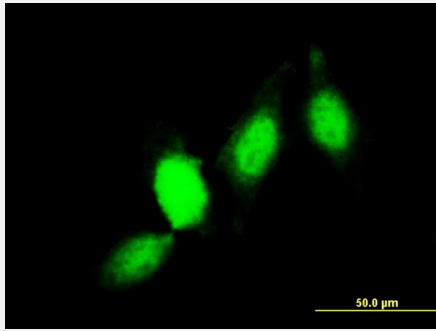
Immunoprecipitation

Immunoprecipitation of GSTP1 transfected lysate using anti-GSTP1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with GSTP1 MaxPab rabbit polyclonal antibody.



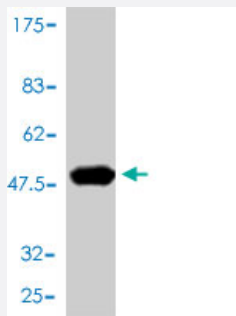
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GSTP1 is 0.03 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to GSTP1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (48.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant GSTP1.
Immunogen	GSTP1 (AAH10915, 1 a.a. ~ 210 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MPPYTVVYFPVRGRCAALRMLLADQGQSWKEEVTVETWQEGSLKASCLYGQLPEFQDGDLTLYQSNILRHLGRTLGLYGKDQQEAALVDMVNDGVEDLRCKYVSLIYTNYEAGKDDYVKALPGQLKPFETLLSQNQGGKTFVGDQISFADYNLLDLLLIEVLAPGCLDAFPLLSAYVGRLSARPKLKAFLASPEYVNLPIGNGKQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (85)
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (48.84 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 (Transfected lysate)

Western Blot analysis of GSTP1 expression in transfected 293T cell line by GSTP1 monoclonal antibody (M01), clone 2G6-F6.

Lane 1: GSTP1 transfected lysate (Predicted MW: 23.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of GSTP1 transfected lysate using anti-GSTP1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with GSTP1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GSTP1 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to GSTP1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — GSTP1

Entrez GeneID	2950
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GeneBank Accession#	BC010915
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Protein Accession#	AAH10915
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Gene Name	GSTP1
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Gene Alias	DFN7, FAEES3, GST3, PI
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Gene Description	glutathione S-transferase pi 1
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Omim ID [134660](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases. [provided by RefSeq]

Other Designations

OTTHUMP00000174659|deafness, X-linked 7|fatty acid ethyl ester synthase III|glutathione transferase

Publication Reference

- [Polymorphism of the glutathione S-transferase P1 gene \(GST-pi\) in breast carcinoma.](#)

Khabaz MN.

Polish Journal of Pathology 2014 Jun; 65(2):141.

Application: IHC-P, Human, Breast

- [Endothelial cell dysfunction and cytoskeletal changes associated with repression of p16\(INK4a\) during immortalization.](#)

Kan CY, Wen VW, Pasquier E, Jankowski K, Chang M, Richards LA, Kavallaris M, MacKenzie KL.

Oncogene 2012 Nov; 31(46):4815.

Application: WB-Ce, Human, Telomerase-immortalized bone marrow endothelial cells

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glutathione metabolism](#)
- [Metabolism of xenobiotics by cytochrome P450](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)

Disease

- [Abortion](#)
- [Absenteeism](#)
- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Acute Lung Injury](#)
- [Adenocarcinoma](#)
- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Airway Remodeling](#)
- [Alcoholism](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Altitude Sickness](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
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- [Aneuploidy](#)
- [Anoxia](#)
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- [Asthma](#)
- [Astrocytoma](#)

- [Atherosclerosis](#)
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- [Bronchopulmonary Dysplasia](#)
- [Calcinosis](#)
- [Carcinoma](#)
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- [Carotid Artery Diseases](#)
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- [Chromosome Deletion](#)
- [Chromosome Disorders](#)
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- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Congenital Abnormalities](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Delayed Graft Function](#)
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- [Diabetes Mellitus](#)
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- [Hepatitis B](#)
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- [Stomach Neoplasms](#)
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