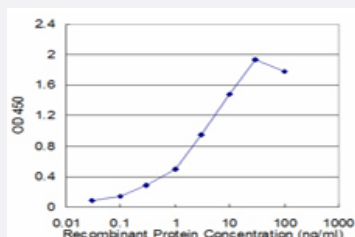


GSTP1 monoclonal antibody (M03), clone S1

Catalog # H00002950-M03

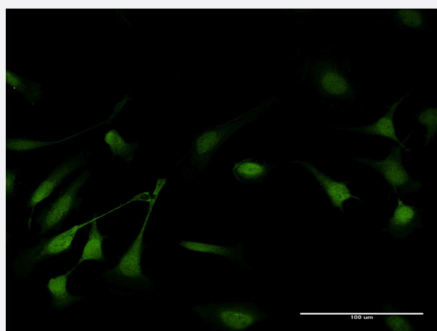
Size 100 ug

Applications



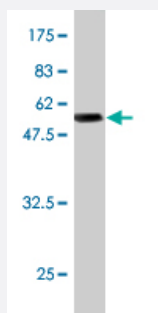
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GSTP1 is approximately 0.03ng/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	MPPYTVVYFPVRGRCAALRMLLADQGQSWKEEVTVETWQEGSLKASCLYGQLPEFQDGDLTLYQSNILRLHGLRTLGLYGKDQQEAALVDMVNDGVEDLRCKYVSLIYTNYEAGKDDYVKALPGQLKPFETLLSQNQGGKTFVGDQISFADYNLLDLLLIHEVLAPGCCLDAFPLLSAYVGRLSARPKLKAFLASPEYVNLPIPINGNGKQ
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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged GSTP1 is approximately 0.03ng/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](#)

GeneBank Accession#	BC010915
Protein Accession#	AAH10915
Gene Name	GSTP1
Gene Alias	DFN7, FAEES3, GST3, PI
Gene Description	glutathione S-transferase pi 1
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]

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](#)
- [Anemia](#)
- [Aneuploidy](#)
- [Anoxia](#)
- [Arsenic Poisoning](#)
- [Arthritis](#)
- [Asbestosis](#)
- [Ascorbic Acid Deficiency](#)
- [Asthma](#)
- [Astrocytoma](#)
- [Atherosclerosis](#)
- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Auditory Threshold](#)
- [Autistic Disorder](#)
- [Balkan Nephropathy](#)

- [Barrett Esophagus](#)
- [Birth Weight](#)
- [Bone Marrow Diseases](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchitis](#)
- [Bronchopulmonary Dysplasia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cell Transformation](#)
- [Central Nervous System Neoplasms](#)
- [Cerebrovascular Accident](#)
- [Chromosome Aberrations](#)
- [Chromosome Deletion](#)
- [Chromosome Disorders](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Cocaine-Related Disorders](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colitis](#)

- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Congenital Abnormalities](#)
- [Connective Tissue Diseases](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Delayed Graft Function](#)
- [Dermatitis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Down Syndrome](#)
- [Drug Eruptions](#)
- [Drug Hypersensitivity](#)
- [Drug Toxicity](#)
- [Drug-Induced Liver Injury](#)
- [Duodenal Neoplasms](#)
- [Dyskinesia](#)

- [Dysmenorrhea](#)
- [Dyspepsia](#)
- [Edema](#)
- [Ehlers-Danlos Syndrome](#)
- [Emphysema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Ependymoma](#)
- [Esophageal Atresia](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Essential tremor](#)
- [Exfoliation Syndrome](#)
- [Eye Diseases](#)
- [Fanconi Anemia](#)
- [Fatty Liver](#)
- [Fetal Diseases](#)
- [Fibrocystic Breast Disease](#)
- [Food Hypersensitivity](#)
- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Gastritis](#)
- [Gastroesophageal Reflux](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genital Diseases](#)

- [Germinoma](#)
- [Glaucoma](#)
- [Glioma](#)
- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Hamartoma](#)
- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hematologic Neoplasms](#)
- [Hemochromatosis](#)
- [Hemoglobinopathies](#)
- [Hepatic Veno-Occlusive Disease](#)
- [Hepatitis](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hereditary hemochromatosis](#)
- [HIV Seropositivity](#)
- [Hodgkin Disease](#)
- [Hypercapnia](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Infant](#)
- [Infection](#)
- [Infertility](#)

- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Keratosi](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leukemia](#)
- [Leukopenia](#)
- [Leukoplakia](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Malaria](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Meningioma](#)
- [Mental Disorders](#)
- [Mesothelioma](#)

- [Metabolic Syndrome X](#)
- [Metaplasia](#)
- [Micronuclei](#)
- [Migraine Disorders](#)
- [Motor Neuron Disease](#)
- [Mouth Neoplasms](#)
- [Multiple Chemical Sensitivity](#)
- [Multiple Myeloma](#)
- [Musculoskeletal Diseases](#)
- [Myelodysplastic Syndromes](#)
- [Myocardial Infarction](#)
- [Nasal Polyps](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neoplastic Syndromes](#)
- [Nephrotic Syndrome](#)
- [Nervous System Diseases](#)
- [Neuroblastoma](#)
- [Neuroma](#)
- [Neuropsychological Tests](#)
- [Neurotoxicity Syndromes](#)
- [Neutropenia](#)
- [Obesity](#)
- [Obstetric Labor](#)

- [Occupational Diseases](#)
- [Oligodendroglioma](#)
- [Oropharyngeal Neoplasms](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Osteosarcoma](#)
- [Otorhinolaryngologic Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pancreatitis](#)
- [Papillomavirus Infections](#)
- [Parkinson disease](#)
- [Peptic Ulcer](#)
- [Peripheral Nervous System Diseases](#)
- [Pharyngeal Neoplasms](#)
- [Photosensitivity Disorders](#)
- [Pleural Neoplasms](#)
- [Pneumoconiosis](#)
- [Pneumonia](#)
- [Poisoning](#)
- [Postoperative Complications](#)
- [Precancerous Conditions](#)

- [Pre-Eclampsia](#)
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- [Prenatal Exposure Delayed Effects](#)
- [Presbycusis](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Protein-Energy Malnutrition](#)
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- [Psychiatric Status Rating Scales](#)
- [Psychometrics](#)
- [Psychoses](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Reaction Time](#)
- [Rectal Neoplasms](#)
- [Recurrence](#)
- [Respiration Disorders](#)
- [Respiratory Distress Syndrome](#)
- [Respiratory Hypersensitivity](#)
- [Respiratory Sounds](#)
- [Respiratory Tract Diseases](#)
- [Respiratory Tract Infections](#)
- [Rhinitis](#)
- [Rosacea](#)

- [Roseolovirus Infections](#)
- [Sarcoidosis](#)
- [Schizophrenia](#)
- [Sensation Disorders](#)
- [Silicosis](#)
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- [Skin Neoplasms](#)
- [Stomach Neoplasms](#)
- [Substance-Related Disorders](#)
- [Testicular Neoplasms](#)
- [Thrombocytopenia](#)
- [Thrombophilia](#)
- [Thyroid Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Translocation](#)
- [Trisomy](#)
- [Urinary Bladder Neoplasms](#)
- [Urologic Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Vestibular Diseases](#)