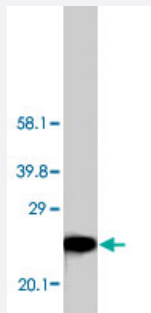


GSTP1 polyclonal antibody

Catalog # PAB7980

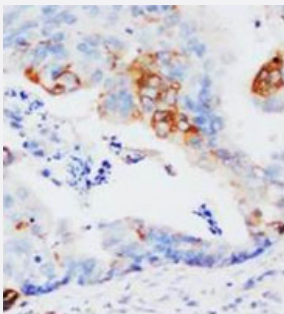
Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate. Using GSTP1 polyclonal antibody (Cat # PAB7980).



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

Immunohistochemical staining of paraffin-embedded human endometrial cancer with GSTP1 polyclonal antibody (Cat # PAB7980). Staining GST in cytoplasm DAB chromogenic reaction.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GSTP1.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human GSTP1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	Identical to the related rat and mouse sequence.
Form	Lyophilized
Purification	Immunoaffinity purification

Isotype	IgG
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate. Using GSTP1 polyclonal antibody (Cat # PAB7980).

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

Immunohistochemical staining of paraffin-embedded human endometrial cancer with GSTP1 polyclonal antibody (Cat # PAB7980). Staining GST in cytoplasm DAB chromogenic reaction.

Gene Info — GSTP1

Entrez GeneID	2950
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

Publication Reference

- [Placental glutathione-S-transferase-pi mRNA is abundantly expressed in human skin.](#)

Konohana A, Konohana I, Schroeder WT, O'Brien WR, Amagai M, Greer J, Shimizu N, Gammon WR, Siciliano MJ, Duvic M. The Journal of Investigative Dermatology 1990 Aug; 95(2):119.

Application: WB-Ce, WB-Ti, Human , Human epidermal keratinocytes, Human epidermis

- [Chromosomal localization of human glutathione transferase genes of classes alpha, mu and pi.](#)

Islam MQ, Platz A, Szpirer J, Szpirer C, Levan G, Mannervik B. Human Genetics 1989 Jul; 82(4):338.

- [Structure of the human genomic glutathione S-transferase-pi gene.](#)

Morrow CS, Cowan KH, Goldsmith ME. Gene 1989 Jan; 75(1):3.

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](#)
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- [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](#)

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- [Drug Hypersensitivity](#)
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- [Dysmenorrhea](#)
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- [Essential tremor](#)
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- [Fanconi Anemia](#)
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- [Gastroesophageal Reflux](#)
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- [Glaucoma](#)
- [Glioma](#)
- [Graft vs Host Disease](#)
- [Graves Disease](#)
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- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
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- [Hemochromatosis](#)
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- [Hepatic Veno-Occlusive Disease](#)
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- [HIV Seropositivity](#)

- [Hodgkin Disease](#)
- [Hypercapnia](#)
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- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Keratoses](#)
- [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](#)
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- [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](#)
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- [Nephrotic Syndrome](#)
- [Nervous System Diseases](#)

- [Neuroblastoma](#)
- [Neuroma](#)
- [Neuropsychological Tests](#)
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- [Neutropenia](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Oligodendroglioma](#)
- [Oropharyngeal Neoplasms](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Osteosarcoma](#)
- [Otorhinolaryngologic Neoplasms](#)
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- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
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- [Papillomavirus Infections](#)
- [Parkinson disease](#)
- [Peptic Ulcer](#)
- [Peripheral Nervous System Diseases](#)
- [Pharyngeal Neoplasms](#)
- [Photosensitivity Disorders](#)

- [Pleural Neoplasms](#)
- [Pneumoconiosis](#)
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- [Pre-Eclampsia](#)
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- [Pulmonary Emphysema](#)
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- [Rectal Neoplasms](#)
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- [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](#)
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- [Trisomy](#)
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- [Urologic Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Vestibular Diseases](#)