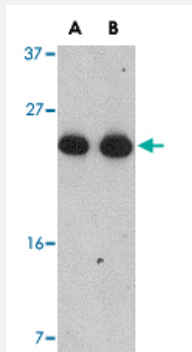


# GSTP1 polyclonal antibody

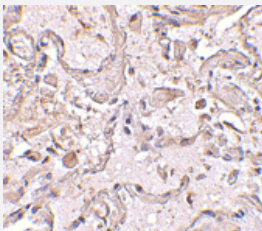
Catalog # PAB13020      Size 100 ug

## Applications



### Western Blot (Cell lysate)

Western blot analysis of GSTP1 in Jurkat cell lysate with GSTP1 polyclonal antibody (Cat # PAB13020) at (A) 0.5 and (B) 1 ug/mL .



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

Immunohistochemical staining of human lung tissue using GSTP1 polyclonal antibody (Cat # PAB13020) at 2.5 ug/mL .

## Specification

|                            |                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of GSTP1.                            |
| <b>Immunogen</b>           | A synthetic peptide corresponding to internal region 14 amino acids of human GSTP1.              |
| <b>Host</b>                | Rabbit                                                                                           |
| <b>Reactivity</b>          | Human, Mouse, Rat                                                                                |
| <b>Form</b>                | Liquid                                                                                           |
| <b>Recommend Usage</b>     | Western Blot (0.5-1 ug/mL)<br>The optimal working dilution should be determined by the end user. |

|                     |                                                                                                                         |
|---------------------|-------------------------------------------------------------------------------------------------------------------------|
| Storage Buffer      | In PBS (0.02% sodium azide)                                                                                             |
| Storage Instruction | Store at 4°C for three months. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |

## Applications

- Western Blot (Cell lysate)

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Immunohistochemical staining of human lung tissue using GSTP1 polyclonal antibody (Cat # PAB13020) at 2.5 ug/mL .

## Gene Info — GSTP1

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">2950</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Protein Accession# | <a href="#">NP_000843</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Name          | GSTP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Gene Alias         | DFN7, FAEES3, GST3, PI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Description   | glutathione S-transferase pi 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Omim ID            | <a href="#">134660</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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

- [Glutathione transferases P1/P2 regulate the timing of signaling pathway activations and cell cycle progression during mouse liver regeneration.](#)

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Cell Death & Disease 2015 Jan; 6:e1598.

Application: IHC-P, WB-Ti, Mouse, Livers

- [CpG island hypermethylation at multiple gene sites in diagnosis and prognosis of prostate cancer.](#)

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Urology 2008 Jan; 71(1):161.

- [Phylogenies of glutathione transferase families.](#)

Pearson WR.

Methods in Enzymology 2005 Jan; 401:186.

- [Genetic polymorphism and cancer risk.](#)

Clapper ML.

Current Oncology Reports 2000 May; 2(3):251.

## 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](#)
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- [Glaucoma](#)
- [Glioma](#)
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- [Graves Disease](#)
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- [Hematologic Diseases](#)
- [Hematologic Neoplasms](#)
- [Hemochromatosis](#)
- [Hemoglobinopathies](#)
- [Hepatic Veno-Occlusive Disease](#)
- [Hepatitis](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hereditary hemochromatosis](#)
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- [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](#)
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- [Motor Neuron Disease](#)
- [Mouth Neoplasms](#)
- [Multiple Chemical Sensitivity](#)
- [Multiple Myeloma](#)
- [Musculoskeletal Diseases](#)
- [Myelodysplastic Syndromes](#)
- [Myocardial Infarction](#)
- [Nasal Polyps](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
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- [Obesity](#)
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- [Otorhinolaryngologic Neoplasms](#)
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- [Ovarian Neoplasms](#)
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- [Skin Neoplasms](#)
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