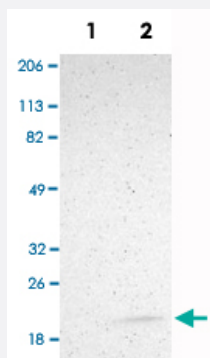


GSTP1 polyclonal antibody

Catalog # PAB30867

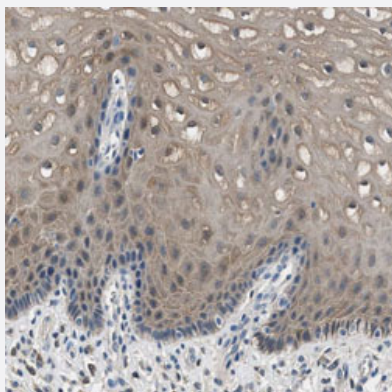
Size 100 uL

Applications



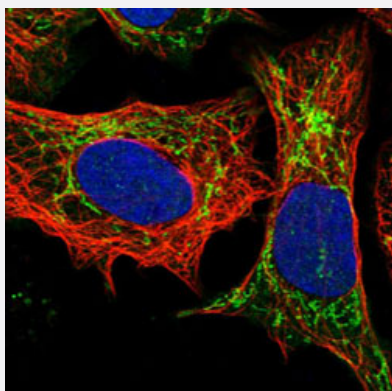
Western Blot (Cell lysate)

Western Blot analysis of Lane 1: RT-4 and Lane 2: U-251MG sp cell lysates with GSTP1 polyclonal antibody (Cat # PAB30867).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human esophagus with GSTP1 polyclonal antibody (Cat # PAB30867) shows cytoplasmic positivity in squamous epithelial cells.



Immunofluorescence

Immunofluorescent staining of U-2 OS with GSTP1 polyclonal antibody (Cat # PAB30867) (Green) shows positivity in cytoplasm and mitochondria.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human GSTP1.
Immunogen	Recombinant protein corresponding to human GSTP1.
Sequence	TLGLYGKDQQEAALVDMVNDGVEDLRCKYISLIYTNYEAGKDDYVKALPGQLKPFETLLS
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:1000-1:2500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. 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)

Western Blot analysis of Lane 1: RT-4 and Lane 2: U-251MG sp cell lysates with GSTP1 polyclonal antibody (Cat # PAB30867).

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human esophagus with GSTP1 polyclonal antibody (Cat # PAB30867) shows cytoplasmic positivity in squamous epithelial cells.

- Immunofluorescence

Immunofluorescent staining of U-2 OS with GSTP1 polyclonal antibody (Cat # PAB30867) (Green) shows positivity in cytoplasm and mitochondria.

Gene Info — GSTP1

Entrez GeneID [2950](#)

Protein Accession# [P09211](#)

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

- [Breast Cancer Proteomics - Differences in Protein Expression between Estrogen Receptor-Positive and -Negative Tumors Identified by Tandem Mass Tag Technology.](#)

Ruckhäberle E, Karn T, Hanker L, Schwarz J, Schulz-Knappe P, Kuhn K, Böhm G, Selzer S, Erhard N, Engels K, Holtrich U, Kaufmann M, Rody A.

Breast Care 2010 Mar; 5(1):7.

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](#)
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- [Barrett Esophagus](#)
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- [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](#)
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- [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](#)
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- [Disease Susceptibility](#)

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- [Drug Hypersensitivity](#)
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- [Hematologic Neoplasms](#)
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- [Hepatitis B](#)
- [Hepatitis C](#)

- [Hereditary hemochromatosis](#)
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- [Lung Diseases](#)
- [Lung Neoplasms](#)
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- [Metaplasia](#)
- [Micronuclei](#)
- [Migraine Disorders](#)
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- [Multiple Chemical Sensitivity](#)
- [Multiple Myeloma](#)
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- [Neoplasm Metastasis](#)
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- [Osteoporosis](#)
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- [Otorhinolaryngologic Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)
- [Ovarian Neoplasms](#)
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- [Peptic Ulcer](#)
- [Peripheral Nervous System Diseases](#)

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- [Pleural Neoplasms](#)
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- [Substance-Related Disorders](#)
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- [Urologic Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
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