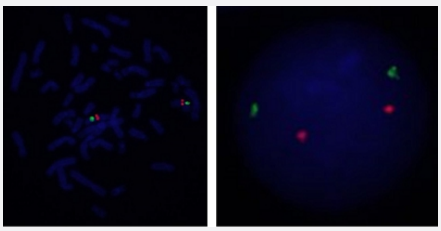
Sm Size

GSTP1/CEN11p FISH Probe

Catalog # FG0192 Size 200 uL, 100 uL

Applications



Hybridization position of the probes on the chromosome:

Hybridization position of the probes on the chromosome:

Specification

Product Description	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** GSTP1 **Size:** Approximately 180kb **Fluorophore:** Texas Red **Location:** 11q13.2
Probe 2	**Name:** CEN11p **Size:** Approximately 630kb **Fluorophore:** FITC **Location:** 11p11.12
Origin	Human

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Source	Genomic DNA
Reactivity	Human
Form	Liquid
Notice	We **strongly recommend** the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Quality Control Testing	Representative images of normal human cell (lymphocyte) stain with the dual color FISH probe. The l eft image is chromosomes at metaphase, and the right image is an interphase nucleus.
Supplied Products	DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe
Storage Instruction	Store at 4°C in the dark.
Note	Hybridization position of the probes on the chromosome: Hybridization position of the probes on the chromosome:
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

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

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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

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- 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

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- 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

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- 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

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- 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

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- 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
- Keratosis
- Kidney Diseases
- Kidney Failure
- Kidney Neoplasms

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- 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

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- 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

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- 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
- Pregnancy Complications
- Premature Birth
- Prenatal Exposure Delayed Effects
- Presbycusis
- Prostate cancer
- Prostatic Hyperplasia

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- Prostatic Neoplasms
- Protein-Energy Malnutrition
- Pseudomonas Infections
- 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
- Skin Diseases
- Skin Neoplasms

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- 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

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