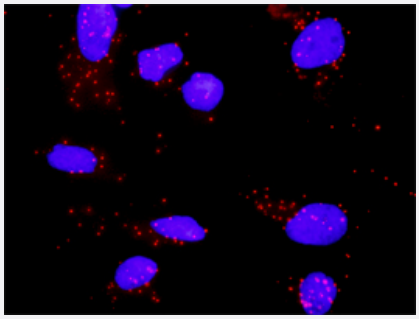
GSTP1 & TRAF2 Protein Protein Interaction Antibody Pair

Catalog # DI0458 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between GSTP1 and TRAF2. HeLa cells were stained with anti-GSTP1 rabbit purified polyclonal antibody 1:1200 and anti-TRAF2 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

Specification

Product Description	This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the GSTP1 protein, and the other against the TRAF2 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.
Reactivity	Human
Quality Control Testing	Protein protein interaction immunofluorescence result. Representative image of Proximity Ligation Assay of protein-protein interactions between GSTP1 and TRAF2. HeLa cells were stained with anti-GSTP1 rabbit purified polyclonal antibody 1:1200 and anti-TRAF2 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.
Supplied Product	Antibody pair set content: 1. GSTP1 rabbit purified polyclonal antibody (100 ug) 2. TRAF2 mouse monoclonal antibody (40 ug) *Reagents are sufficient for at least 30-50 assays using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- *In situ* Proximity Ligation Assay (Cell)

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

Gene Info — TRAF2

Entrez GeneID	7186
Gene Name	TRAF2
Gene Alias	MGC:45012, TRAP, TRAP3
Gene Description	TNF receptor-associated factor 2
Omim ID	601895
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a member of the TNF receptor associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from members of the TNF receptor superfamily. This protein directly interacts with TNF receptors, and forms a heterodimeric complex with TRAF1. This protein is required for TNF-alpha-mediated activation of MAPK8/JNK and NF-kappaB. The protein complex formed by this protein and TRAF1 interacts with the inhibitor-of-apoptosis proteins (IAPs), and functions as a mediator of the anti-apoptotic signals from TNF receptors. The interaction of this protein with TRADD, a TNF receptor associated apoptotic signal transducer, ensures the recruitment of IAPs for the direct inhibition of caspase activation. BIRC2/c-IAP1, an apoptosis inhibitor possessing ubiquitin ligase activity, can unbiquitinate and induce the degradation of this protein, and thus potentiate TNF-induced apoptosis. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of only one transcript has been determined. [provided by RefSeq
Other Designations	OTTHUMP00000022625|OTTHUMP00000064745|tumor necrosis factor type 2 receptor associated protein 3

Pathway

- Adipocytokine signaling pathway
- Apoptosis
- Drug metabolism - cytochrome P450
- Glutathione metabolism
- MAPK signaling pathway
- Metabolism of xenobiotics by cytochrome P450
- Pathways in cancer
- Pathways in cancer
- Prostate cancer
- Small cell lung 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
- 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
- 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
- Connective Tissue Diseases
- Coronary Artery Disease
- Coronary Disease
- Crohn Disease
- Cystic fibrosis
- Delayed Graft Function
- Dermatitis
- Diabetes Complications
- Diabetes Complications
- Diabetes Mellitus
- 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
- Ductus Arteriosus
- Duodenal Neoplasms
- Dyskinesia
- Dysmenorrhea
- Dyspepsia
- Edema
- 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

- Fetal Diseases

- Fibrocystic Breast Disease
- Food Hypersensitivity
- Gallbladder Neoplasms
- Gallstones
- Gastritis
- Gastroesophageal Reflux
- Gastrointestinal Neoplasms
- Genetic Predisposition to Disease
- 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 Diseases
- Hematologic Neoplasms
- Hemochromatosis
- Hemoglobinopathies
- Hepatic Veno-Occlusive Disease
- Hepatitis

- Hepatitis B
- Hepatitis C
- Hereditary hemochromatosis
- HIV Infections
- HIV Seropositivity
- Hodgkin Disease
- Hodgkin Disease
- Hypercapnia
- Hypersensitivity
- Hypertension
- Infant
- Infant
- Infection
- Infection
- Infertility
- Inflammation
- Inflammation
- Inflammatory Bowel Diseases
- Keratosis
- 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
- Lymphoma
- Lymphoproliferative Disorders
- Macular Degeneration
- Malaria
- Malignant melanoma
- Melanoma
- Meningioma
- Mental Disorders
- Mesothelioma
- Metabolic Syndrome X
- Metabolic Syndrome X
- Metaplasia
- Micronuclei
- Migraine Disorders
- Motor Neuron Disease
- Mouth Neoplasms
- Multiple Chemical Sensitivity

- Multiple Myeloma
- Multiple Myeloma
- Musculoskeletal Diseases
- Musculoskeletal Diseases
- Myelodysplastic Syndromes
- Myocardial Infarction
- Nasal Polyps
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neoplasms
- Neoplastic Syndromes
- Nephrotic Syndrome
- Nervous System Diseases
- Neuroblastoma
- Neuroma
- Neuropsychological Tests
- Neurotoxicity Syndromes
- Neutropenia
- Obesity
- Obstetric Labor
- Occupational Diseases
- Occupational Diseases
- Oligodendroglioma
- Oropharyngeal Neoplasms

- Osteoarthritis
- Osteoporosis
- 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
- Pregnancy Complications
- Pregnancy Complications

- Premature Birth
- Premature Birth
- Prenatal Exposure Delayed Effects
- Presbycusis
- Prostate cancer
- Prostatic Hyperplasia
- 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
- Retinopathy of Prematurity
- Rhinitis
- Rosacea

- Roseolovirus Infections
- Sarcoidosis
- Schizophrenia
- Sensation Disorders
- Silicosis
- Skin Diseases
- Skin Diseases
- 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
- Waldenstrom Macroglobulinemia
- Werner syndrome