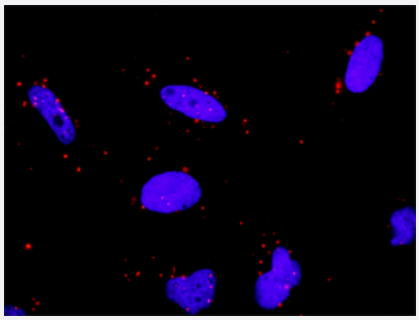
HSPA1L & TP53 Protein Protein Interaction Antibody Pair

Catalog # DI0459 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between HSPA1L and TP53. HeLa cells were stained with anti-HSPA1L rabbit purified polyclonal antibody 1:1200 and anti-TP53 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 HSPA1L protein, and the other against the TP53 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 HSPA1L and TP53. HeLa cells were stained with anti-HSPA1L rabbit purified polyclonal antibody 1:1200 and anti-TP53 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 Products	Antibody pair set content: 1. HSPA1L rabbit purified polyclonal antibody (100 ug) 2. TP53 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- *In situ* Proximity Ligation Assay (Cell)

Gene Info — HSPA1L

Entrez GeneID	3305
Gene Name	HSPA1L
Gene Alias	HSP70-1L, HSP70-HOM, HSP70T, hum70t
Gene Description	heat shock 70kDa protein 1-like
Omim ID	140559
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a 70kDa heat shock protein. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which also encode isoforms of the 70kDa heat shock protein. [provided by RefSeq
Other Designations	OTTHUMP00000029295|heat shock 10kDa protein 1-like|heat shock 70kD protein-like 1

Gene Info — TP53

Entrez GeneID	7157
Gene Name	TP53
Gene Alias	FLJ92943, LFS1, TRP53, p53
Gene Description	tumor protein p53
Omim ID	114480 114500 114550 151623 161550 191170 202300 260350
Gene Ontology	Hyperlink

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Summary	This gene encodes tumor protein p53, which responds to diverse cellular stresses to regulate target genes that induce cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. p53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is postulated to bind to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mutants of p53 that frequently occur in a number of different human cancers fail to bind the consensus DNA binding site, and hence cause the loss of tumor suppressor activity. Alterations of this gene occur not only as somatic mutations in human malignancies, but also as germline mutations in some cancer-prone families with Li-Fraumeni syndrome. Multiple p53 variants due to alternative promoters and multiple alternative splicing have been found. These variants encode distinct isoforms, which can regulate p53 transcriptional activity. [provided by RefSeq
Other Designations	p53 antigen|p53 transformation suppressor|p53 tumor suppressor|phosphoprotein p53|transformation-related protein 53

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Antigen processing and presentation
- Apoptosis
- Basal cell carcinoma
- Bladder cancer
- Cell cycle
- Chronic myeloid leukemia
- Colorectal cancer
- Endocytosis
- Endometrial cancer
- Glioma
- MAPK signaling pathway
- MAPK signaling pathway
- Melanoma
- Neurotrophin signaling pathway

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Non-small cell lung cancer
- p53 signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Small cell lung cancer
- Thyroid cancer
- Wnt signaling pathway

Disease

- Abortion
- Abortion
- Acquired Hyperostosis Syndrome
- Acute Disease
- Acute Disease
- Adenocarcinoma
- Adenoma
- Adenomatous Polyposis Coli
- Adrenal Cortex Neoplasms
- AIDS-Related Opportunistic Infections
- Albuminuria
- Alcoholism
- Altitude Sickness
- Alzheimer disease
- Alzheimer disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Ameloblastoma
- Aneuploidy
- Anoxia
- Anus Neoplasms
- Arsenic Poisoning
- Arthritis
- Arthritis
- Astrocytoma
- Ataxia telangiectasia
- Atherosclerosis
- Atrial Fibrillation
- Autoimmune Diseases
- Azoospermia
- Balkan Nephropathy
- Barrett Esophagus
- Bipolar Disorder
- Bone Neoplasms
- Bone Resorption
- Brain Infarction
- Brain Injuries
- Brain Ischemia
- Brain Ischemia
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Carcinoma
- Carcinoma in Situ
- Cardiovascular Diseases
- Cardiovascular Diseases
- Carotid Artery Diseases
- Carotid Artery Thrombosis
- Cell Transformation
- Cerebellar Neoplasms
- Cerebral Infarction
- Cerebrovascular Accident
- Cervical Intraepithelial Neoplasia
- Chagas Disease
- Cholecystitis
- Choriocarcinoma
- Choroid Plexus Neoplasms
- Chromosomal Instability
- Chromosome Aberrations
- Chromosome Deletion
- Chronic Disease
- Cicatrix
- Cocarcinogenesis
- Cognition
- Cognition Disorders
- Colitis
- Colitis
- Colon cancer

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Colonic Neoplasms
- Colorectal Neoplasms
- Condylomata Acuminata
- Conjunctival Neoplasms
- Connective Tissue Diseases
- Constriction
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Coronary Disease
- Coronary Restenosis
- Craniocerebral Trauma
- Critical Illness
- Crohn Disease
- Crohn Disease
- Cross Infection
- Cystadenocarcinoma
- Delayed Graft Function
- Depressive Disorder
- Depressive Disorder
- Diabetes Mellitus
- Diabetes Mellitus
- Diabetic Foot
- Diabetic Nephropathies
- Diabetic Nephropathies
- Digestive System Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Disease Progression
- Disease Progression
- Disease Susceptibility
- DNA Damage
- Down Syndrome
- Drug Hypersensitivity
- Duodenal Ulcer
- Duodenal Ulcer
- Edema
- Edema
- Ehlers-Danlos Syndrome
- Endometrial Hyperplasia
- Endometrial Neoplasms
- Endometriosis
- Epidermal Necrolysis
- Epidermodysplasia Verruciformis
- Epstein-Barr Virus Infections
- Esophageal Neoplasms
- Exanthema
- Fallopian Tube Neoplasms
- Fetal Diseases
- Gallbladder Neoplasms
- Ganglioglioma
- Gastritis
- Gastroesophageal Reflux
- Gastrointestinal Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Gastrointestinal Stromal Tumors
- Genetic Diseases
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Genital Neoplasms
- Genomic Instability
- Glaucoma
- Glaucoma
- Glioblastoma
- Glioma
- Graft Occlusion
- Graft vs Host Disease
- Graves Disease
- Graves Disease
- Hashimoto Disease
- Head and Neck Neoplasms
- Hearing Loss
- Helicobacter Infections
- Helicobacter Infections
- Hematologic Diseases
- Hepatitis B
- Hepatitis C
- Herpes Simplex
- HIV Infections
- Hodgkin Disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Hydatidiform Mole
- Hypertension
- Hypopharyngeal Neoplasms
- Hypotension
- Infection
- Infertility
- Inflammation
- Inflammation
- Inflammatory Bowel Diseases
- Inflammatory Bowel Diseases
- Intestinal Neoplasms
- Intracranial Thrombosis
- Keloid
- Keratosis
- Kidney Failure
- Kidney Failure
- Kidney Neoplasms
- Laryngeal Neoplasms
- Leber hereditary optic neuropathy
- Leiomyoma
- Leishmaniasis
- Leukemia
- Leukoplakia
- Lichen Planus
- Li-Fraumeni Syndrome
- Lissencephaly

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Liver Cirrhosis
- Liver Neoplasms
- Low Tension Glaucoma
- Lung Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Erythematosus
- Lupus Nephritis
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Medulloblastoma
- Melanoma
- Meningeal Neoplasms
- Meningioma
- Mental Retardation
- Metaplasia
- Microsatellite Instability
- Mouth Neoplasms
- Multiple Myeloma
- Multiple Organ Failure
- Multiple Sclerosis
- Multiple Sclerosis
- Multiple Trauma
- Musculoskeletal Diseases

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Myelodysplastic Syndromes
- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Nerve Sheath Neoplasms
- Neural Tube Defects
- Neurilemmoma
- Neuroectodermal Tumors
- Neurofibroma
- Neurofibromatosis
- Neurofibromatosis 2
- Neuroma
- Neuropsychological Tests
- Neutropenia
- Nijmegen Breakage Syndrome
- Nose Neoplasms
- Obesity
- Obesity
- Occupational Diseases
- Ocular Hypertension
- Oligodendroglioma
- Oligospermia
- Optic Atrophy
- Oral Submucous Fibrosis

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Oropharyngeal Neoplasms
- Osteoarthritis
- Osteoporosis
- Osteosarcoma
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Papilloma
- Papillomavirus Infections
- Parkinson disease
- Pemphigus
- Penile Neoplasms
- Peptic Ulcer
- Peritoneal Neoplasms
- Pharyngeal Neoplasms
- Pneumonia
- Postoperative Complications
- Postoperative Complications
- Precancerous Conditions
- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostate cancer

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Prostatic Hyperplasia
- Prostatic Intraepithelial Neoplasia
- Prostatic Neoplasms
- Prostatic Neoplasms
- Psoriasis
- Psychiatric Status Rating Scales
- Pterygium
- Pulmonary Disease
- Pulmonary Disease
- Pulmonary Edema
- Pulmonary Fibrosis
- Radiation Injuries
- Radiodermatitis
- Rectal Neoplasms
- Recurrence
- Recurrence
- Roseolovirus Infections
- Sarcoidosis
- Sarcoma
- Schizophrenia
- Schizophrenia
- Schizophrenic Psychology
- Skin Diseases
- Skin Diseases
- Skin Neoplasms
- Small Cell Lung Carcinoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Spinal Dysraphism
- Spondylarthropathies
- Stevens-Johnson Syndrome
- Stomach Neoplasms
- Stomach Neoplasms
- Stomach Ulcer
- Stroke
- Subarachnoid Hemorrhage
- Substance-Related Disorders
- Sunburn
- Syndrome
- Systemic Inflammatory Response Syndrome
- The p53 tumor suppressor protein
- Thyroid Diseases
- Thyroid Neoplasms
- Thyroiditis
- Thyroiditis
- Tobacco Use Disorder
- Tongue Neoplasms
- Tumor Virus Infections
- Uremia
- Urinary Bladder Neoplasms
- Urologic Diseases
- Uterine Cervical Diseases
- Uterine Cervical Dysplasia
- Uterine Cervical Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Uterine Neoplasms
- Uveitis
- Waldenstrom Macroglobulinemia
- Wegener Granulomatosis
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.