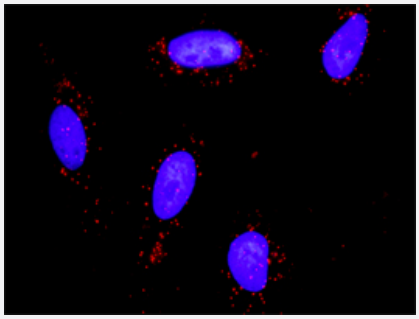
FAS & FASLG Protein Protein Interaction Antibody Pair

Catalog # DI0351 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between FAS and FASLG. HeLa cells were stained with anti-FAS rabbit purified polyclonal antibody 1:1200 and anti-FASLG 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 FAS protein, and the other against the FASLG 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 FAS and FASLG. HeLa cells were stained with anti-FAS rabbit purified polyclonal antibody 1:1200 and anti-FASLG 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. FAS rabbit purified polyclonal antibody (100 ug) 2. FASLG 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

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- *In situ* Proximity Ligation Assay (Cell)

Gene Info — FAS

Entrez GeneID	355
Gene Name	FAS
Gene Alias	ALPS1A, APO-1, APT1, CD95, FAS1, FASTM, TNFRSF6
Gene Description	Fas (TNF receptor superfamily, member 6)
Omim ID	134637 601859
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor co ntains a death domain. It has been shown to play a central role in the physiological regulation of pr ogrammed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formatio n of a death-inducing signaling complex that includes Fas-associated death domain protein (FAD D), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex tr iggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also sho wn to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transd ucing the proliferating signals in normal diploid fibroblast and T cells. At least eight alternatively sp liced transcript variants have been described, some of which are candidates for nonsense-mediat ed decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the a poptosis mediated by the full length isoform. [provided by RefSeq
Other Designations	APO-1 cell surface antigen|CD95 antigen|Fas AMA|Fas antigen|OTTHUMP00000020045|OTTH UMP00000020046|OTTHUMP00000020051|OTTHUMP00000059646|apoptosis antigen 1|tumo r necrosis factor receptor superfamily member 6|tumor necrosis factor receptor superfamily, mem

Gene Info — FASLG

Entrez GeneID	356
Gene Name	FASLG
Gene Alias	APT1LG1, CD178, CD95L, FASL, TNFSF6
Gene Description	Fas ligand (TNF superfamily, member 6)
Omim ID	134638 152700

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Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the ligand for FAS. Both are transmembrane proteins. Interaction of FAS with this ligand is critical in triggering apoptosis of some types of cells such as lymphocytes. Defects in this gene may be related to some cases of systemic lupus erythematosus (SLE). [provided by RefSeq
Other Designations	CD95 ligand|OTTHUMP00000032708|apoptosis (APO-1) antigen ligand 1|fas ligand|tumor necrosis factor (ligand) superfamily, member 6

Pathway

- Allograft rejection
- Allograft rejection
- Apoptosis
- Apoptosis
- Autoimmune thyroid disease
- Autoimmune thyroid disease
- Cytokine-cytokine receptor interaction
- Cytokine-cytokine receptor interaction
- Graft-versus-host disease
- Graft-versus-host disease
- MAPK signaling pathway
- MAPK signaling pathway
- Natural killer cell mediated cytotoxicity
- Natural killer cell mediated cytotoxicity
- Neurotrophin signaling pathway
- p53 signaling pathway
- Pathways in cancer
- Pathways in cancer
- Type I diabetes mellitus

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- Type I diabetes mellitus

Disease

- Acquired Immunodeficiency Syndrome
- Acquired Immunodeficiency Syndrome
- Acute Disease
- Adenocarcinoma
- Adenocarcinoma
- Alzheimer disease
- Alzheimer disease
- Arthritis
- Asthma
- Atherosclerosis
- Atrophy
- Autoimmune Diseases
- Autoimmune Diseases
- Autoimmune Lymphoproliferative Syndrome
- Azoospermia
- Azoospermia
- Bone Neoplasms
- Breast cancer
- Breast cancer
- Breast Neoplasms
- Breast Neoplasms
- Carcinoma
- Carcinoma

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- Carcinoma in Situ
- Carcinoma in Situ
- Cardiovascular Diseases
- Celiac Disease
- Cervical Intraepithelial Neoplasia
- Cervical Intraepithelial Neoplasia
- Chronic Disease
- Cognition Disorders
- Colitis
- Colorectal Neoplasms
- Colorectal Neoplasms
- Connective Tissue Diseases
- Connective Tissue Diseases
- Crohn Disease
- Crohn Disease
- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus
- Disease Progression
- Disease Progression
- DNA Damage
- Ductus Arteriosus

- Edema
- Endometriosis
- Endometriosis

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- Epidermal Necrolysis
- Esophageal Neoplasms
- Esophageal Neoplasms
- Eye Diseases
- Fetal Diseases
- Fetal Diseases
- Fetal Growth Retardation
- Fetal Membranes
- Gastroesophageal Reflux
- Gastroesophageal Reflux
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Genital Neoplasms
- Glaucoma
- Graves Disease
- Graves Disease
- Head and Neck Neoplasms
- Head and Neck Neoplasms
- Helicobacter Infections
- Helicobacter Infections
- HELLP Syndrome
- Hematologic Diseases
- Hematologic Diseases
- Hepatitis
- Hepatitis B
- Hepatitis B

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- Hepatitis C
- Hepatitis C
- HIV Infections
- HIV Infections
- HIV-Associated Lipodystrophy Syndrome
- Hodgkin Disease
- Hodgkin Disease
- HTLV-I Infections
- Hypercholesterolemia
- Hyperlipidemias
- Hypertension
- Infant
- Infection
- Infection
- Infertility
- Infertility
- Inflammation
- Inflammation
- Inflammatory Bowel Diseases
- Insulin Resistance
- Insulin Resistance
- Intestinal Fistula
- Intestinal Neoplasms
- Intestinal Neoplasms
- Kidney Failure
- Leber hereditary optic neuropathy

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- Leukemia
- Leukemia
- Leukoplakia
- Leukoplakia
- Liver Cirrhosis
- Lung carcinoma
- Lung Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Erythematosus
- Lymphatic Metastasis
- Lymphatic Metastasis
- Lymphocytosis
- Lymphocytosis
- Lymphoma
- Lymphoproliferative Disorders
- Lymphoproliferative Disorders
- Malignant melanoma
- Malignant melanoma
- Melanoma
- Melanoma
- Metabolic Syndrome X
- Migraine with Aura
- Mitochondrial Diseases
- Mouth Neoplasms
- Mouth Neoplasms

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- Multiple Myeloma
- Multiple Myeloma
- Multiple Sclerosis
- Multiple Sclerosis
- Musculoskeletal Diseases
- Musculoskeletal Diseases
- Myocardial Infarction
- Nasopharyngeal Neoplasms
- Nasopharyngeal Neoplasms
- Necrosis
- Neoplasm Metastasis
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neoplasms
- Neovascularization
- Neovascularization
- Neutropenia
- Obesity
- Occupational Diseases
- Occupational Diseases
- Oligospermia
- Oligospermia
- Optic Atrophy
- Oral Submucous Fibrosis
- Oral Submucous Fibrosis

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- Osteoporosis
- Osteosarcoma
- Ovarian cancer
- Ovarian cancer
- Ovarian Neoplasms
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic cancer
- Pancreatic Neoplasms
- Pancreatic Neoplasms
- Papillomavirus Infections
- Periodontitis
- Pharyngeal Neoplasms
- Pharyngeal Neoplasms
- Polycystic Ovary Syndrome
- Precancerous Conditions
- Precancerous Conditions
- Pre-Eclampsia
- Pre-Eclampsia
- Pregnancy Complications
- Pregnancy Complications
- Premature Birth
- Premature Birth
- Prostatic Neoplasms
- Psychiatric Status Rating Scales
- Pulmonary Disease

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- Pulmonary Disease
- Sarcoidosis
- Scleroderma
- Silicosis
- Silicosis
- Skin Diseases
- Skin Diseases
- Skin Neoplasms
- Skin Neoplasms
- Spondylarthropathies
- Stevens-Johnson Syndrome
- Stomach Neoplasms
- Stomach Neoplasms
- Substance-Related Disorders
- Syndrome
- Thrombocytopenia
- Thrombocytopenia
- Thyroid Neoplasms
- Thyroid Neoplasms
- Thyroiditis
- Tobacco Use Disorder
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Uterine Cervical Neoplasms

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- Vitiligo
- Vitiligo
- Waldenstrom Macroglobulinemia
- Waldenstrom Macroglobulinemia
- Werner syndrome
- Werner syndrome

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