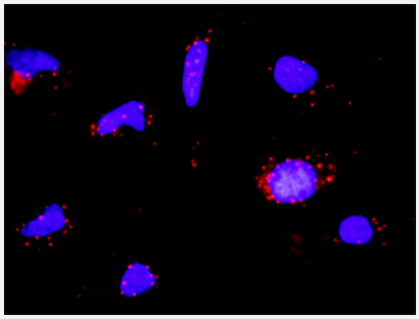
FASLG & PIK3R1 Protein Protein Interaction Antibody Pair

Catalog # DI0455 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between FASLG and PIK3R1. HeLa cells were stained with anti-FASLG rabbit purified polyclonal antibody 1:1200 and anti-PIK3R1 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 FASLG protein, and the other against the PIK3R1 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 FASLG and PIK3R1. HeLa cells were stained with anti-FASLG rabbit purified polyclonal antibody 1:1200 and anti-PIK3R1 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. FASLG rabbit purified polyclonal antibody (100 ug) 2. PIK3R1 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 — 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
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

Gene Info — PIK3R1

Entrez GeneID	5295
Gene Name	PIK3R1
Gene Alias	GRB1, p85, p85-ALPHA
Gene Description	phosphoinositide-3-kinase, regulatory subunit 1 (alpha)
Omim ID	171833
Gene Ontology	Hyperlink
Gene Summary	Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in three transcript variants encoding different isoforms. [provided by RefSeq

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Other Designations	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha)|phosphatidylinositol 3-kinase, regulatory, 1|phosphatidylinositol 3-kinase-associated p-85 alpha|phosphoinositide-3-kinase, regulatory subunit 1 (p85 alpha)|phosphoinositide-3-ki

Pathway

- Acute myeloid leukemia
- Allograft rejection
- Apoptosis
- Apoptosis
- Autoimmune thyroid disease
- B cell receptor signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Colorectal cancer
- Cytokine-cytokine receptor interaction
- Endometrial cancer
- ErbB signaling pathway
- Fc epsilon RI signaling pathway
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- Glioma
- Graft-versus-host disease
- Insulin signaling pathway
- Jak-STAT signaling pathway
- Leukocyte transendothelial migration
- MAPK signaling pathway
- Melanoma

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- mTOR signaling pathway
- Natural killer cell mediated cytotoxicity
- Natural killer cell mediated cytotoxicity
- Neurotrophin signaling pathway
- Neurotrophin signaling pathway
- Non-small cell lung cancer
- Pancreatic cancer
- Pathways in cancer
- Pathways in cancer
- Phosphatidylinositol signaling system
- Prostate cancer
- Regulation of actin cytoskeleton
- Renal cell carcinoma
- Small cell lung cancer
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway
- Type I diabetes mellitus
- Type II diabetes mellitus
- VEGF signaling pathway

Disease

- Acquired Immunodeficiency Syndrome
- Adenocarcinoma
- Alzheimer disease
- Alzheimer disease
- Autoimmune Diseases

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- Azoospermia
- Body Weight
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Carcinoma in Situ
- Cardiovascular Diseases
- Cervical Intraepithelial Neoplasia
- Chronic Disease
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Connective Tissue Diseases
- Crohn Disease
- Diabetes Mellitus
- Diabetes Mellitus
- Disease Progression
- Drug Toxicity
- Edema
- Endometriosis
- Epidermal Necrolysis
- Esophageal Neoplasms
- Fetal Diseases
- Gastroesophageal Reflux
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease

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- Glucose Intolerance
- Graves Disease
- Head and Neck Neoplasms
- Helicobacter Infections
- Hematologic Diseases
- Hepatitis B
- Hepatitis C
- HIV Infections
- HIV Infections
- Hodgkin Disease
- Hypercholesterolemia
- Hypercholesterolemia
- Hypertension
- Infection
- Infertility
- Inflammation
- Insulin Resistance
- Insulin Resistance
- Intestinal Fistula
- Intestinal Neoplasms
- Kidney Failure
- Leukemia
- Leukoplakia
- Liver Cirrhosis
- Lung Neoplasms
- Lupus Erythematosus

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- Lymphatic Metastasis
- Lymphocytosis
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Migraine with Aura
- Mouth Neoplasms
- Multiple Myeloma
- Multiple Sclerosis
- Musculoskeletal Diseases
- Nasopharyngeal Neoplasms
- Neoplasm Metastasis
- Neoplasms
- Neoplasms
- Neovascularization
- Neutropenia
- Obesity
- Occupational Diseases
- Oligospermia
- Oral Submucous Fibrosis
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic cancer
- Pancreatic Neoplasms
- Pancreatic Neoplasms

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- Periodontitis
- Periodontitis
- Pharyngeal Neoplasms
- Polycystic Ovary Syndrome
- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostatic Neoplasms
- Pulmonary Disease
- Silicosis
- Skin Diseases
- Skin Neoplasms
- Stevens-Johnson Syndrome
- Stomach Neoplasms
- Substance-Related Disorders
- Thrombocytopenia
- Thyroid Neoplasms
- Thyroiditis
- Tobacco Use Disorder
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Vitiligo
- Waldenstrom Macroglobulinemia

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- Werner syndrome

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