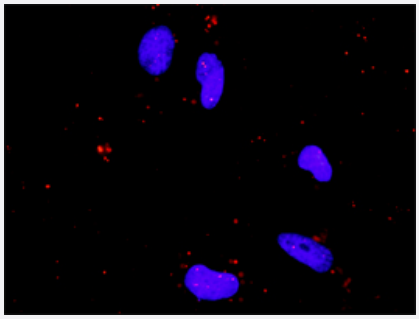
BIRC3 & TRAF1 Protein Protein Interaction Antibody Pair

Catalog # DI0591 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between BIRC3 and TRAF1. HeLa cells were stained with anti-BIRC3 rabbit purified polyclonal antibody 1:1200 and anti-TRAF1 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 BIRC3 protein, and the other against the TRAF1 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 BIRC3 and TRAF1. HeLa cells were stained with anti-BIRC3 rabbit purified polyclonal antibody 1:1200 and anti-TRAF1 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. BIRC3 rabbit purified polyclonal antibody (100 ug) 2. TRAF1 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 — BIRC3

Entrez GeneID	330
Gene Name	BIRC3
Gene Alias	AIP1, API2, CIAP2, HAIP1, HIAP1, MALT2, MIHC, RNF49
Gene Description	baculoviral IAP repeat-containing 3
Omim ID	601721
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of a family of proteins that inhibits apoptosis by bi nding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2, probably by interf ering with activation of ICE-like proteases. The encoded protein inhibits apoptosis induced by ser um deprivation but does not affect apoptosis resulting from exposure to menadione, a potent indu cer of free radicals. The amino acid sequence predicts three baculovirus IAP repeat domains and a ring finger domain. Transcript variants encoding the same isoform have been identified. [provid ed by RefSeq
Other Designations	TNFR2-TRAF signaling complex protein|apoptosis inhibitor 2|baculoviral IAP repeat-containing pr otein 3|inhibitor of apoptosis protein 1|mammalian IAP homolog C

Gene Info — TRAF1

Entrez GeneID	7185
Gene Name	TRAF1
Gene Alias	EBI6, MGC:10353
Gene Description	TNF receptor-associated factor 1
Omim ID	601711
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is a member of the TNF receptor (TNFR) associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from various receptors of the TNFR superfamily. This protein and TRAF2 form a heterodimeric complex, which is required for TNF-alpha-mediated activation of MAPK8/JNK and NF-kappaB. The protein complex formed by this protein and TRAF2 also interacts with inhibitor-of-apoptosis proteins (IAPs), and thus mediates the anti-apoptotic signals from TNF receptors. The expression of this protein can be induced by Epstein-Barr virus (EBV). EBV infection membrane protein 1 (LMP1) is found to interact with this and other TRAF proteins; this interaction is thought to link LMP1-mediated B lymphocyte transformation to the signal transduction from TNFR family receptors. [provided by RefSeq
Other Designations	Epstein-Bar virus-induced protein 6|OTTHUMP00000022000

Pathway

- Apoptosis
- Focal adhesion
- Pathways in cancer
- Pathways in cancer
- Small cell lung cancer
- Small cell lung cancer
- Ubiquitin mediated proteolysis

Disease

- Adenocarcinoma
- Alopecia Areata
- Alzheimer disease
- Arthritis
- Atherosclerosis
- Autoimmune Diseases
- Cardiovascular Diseases
- Cardiovascular Diseases

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- Celiac Disease
- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus
- Disease Progression
- Ductus Arteriosus
- Ductus Arteriosus
- Edema
- Edema
- Endometriosis
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Giant Cell Arteritis
- Glomerulonephritis
- HIV Infections
- Infant
- Infant
- Inflammation
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Lymphoma
- Metabolic Syndrome X
- Neoplasms
- Osteoarthritis

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- Osteoporosis
- Pemphigus
- Pulmonary Disease
- Rheumatic Heart Disease
- Schizophrenia
- Scleroderma
- Sepsis
- Urinary Bladder Neoplasms
- Wegener Granulomatosis
- Werner syndrome

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