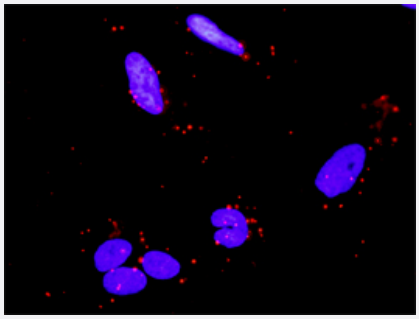
BIRC3 & TRAF2 Protein Protein Interaction Antibody Pair

Catalog # DI0580 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between BIRC3 and TRAF2. HeLa cells were stained with anti-BIRC3 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 BIRC3 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 BIRC3 and TRAF2. HeLa cells were stained with anti-BIRC3 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. BIRC3 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 — 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 — 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
- Apoptosis
- Focal adhesion
- MAPK signaling pathway
- Pathways in cancer
- Pathways in cancer
- Small cell lung cancer
- Small cell lung cancer
- Ubiquitin mediated proteolysis

Disease

- Adenocarcinoma
- Alzheimer disease
- Cardiovascular Diseases
- Cardiovascular Diseases

- Connective Tissue Diseases
- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus
- Ductus Arteriosus
- Ductus Arteriosus
- Edema
- Edema
- Esophageal Neoplasms
- Fetal Diseases
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Hematologic Diseases
- HIV Infections
- Hodgkin Disease
- Infant
- Infant
- Infection
- Inflammation
- Lung Neoplasms
- Lymphoma
- Lymphoproliferative Disorders
- Metabolic Syndrome X
- Multiple Myeloma
- Musculoskeletal Diseases
- Neoplasms

- Occupational Diseases
- Osteoporosis
- Pregnancy Complications
- Premature Birth
- Pulmonary Disease
- Retinopathy of Prematurity
- Skin Diseases
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome
- Werner syndrome