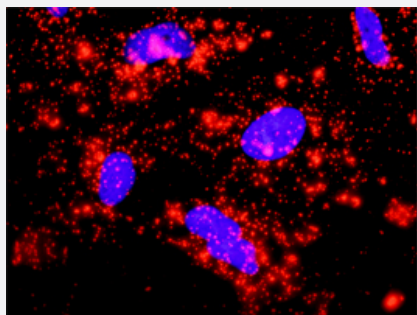


XIAP & CASP9 Protein Protein Interaction Antibody Pair

Catalog # DI0293

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between XIAP and CASP9. HeLa cells were stained with anti-XIAP rabbit purified polyclonal antibody 1:1200 and anti-CASP9 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 XIAP protein, and the other against the CASP9 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 XIAP and CASP9. HeLa cells were stained with anti-XIAP rabbit purified polyclonal antibody 1:1200 and anti-CASP9 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. XIAP rabbit purified polyclonal antibody (100 ug)
2. CASP9 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 — XIAP

Entrez GeneID [331](#)

Gene Name XIAP

Gene Alias API3, BIRC4, ILP1, MIHA, XLP2

Gene Description X-linked inhibitor of apoptosis

Omim ID [300079](#) [300635](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of a family of proteins which inhibit apoptosis through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2. This protein inhibits apoptosis induced by menadione, a potent inducer of free radicals, and ICE. It also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. [provided by RefSeq]

Other Designations OTTHUMP00000023975|OTTHUMP00000196392|apoptosis inhibitor 3|baculoviral IAP repeat-containing 4|baculoviral IAP repeat-containing protein 4

Gene Info — CASP9

Entrez GeneID [842](#)

Gene Name CASP9

Gene Alias APAF-3, APAF3, CASPASE-9c, ICE-LAP6, MCH6

Gene Description caspase 9, apoptosis-related cysteine peptidase

Omim ID [602234](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein is processed by caspase APAF1; this step is thought to be one of the earliest in the caspase activation cascade. Alternative splicing results in two transcript variants which encode different isoforms. [provided by RefSeq]

Other Designations

ICE-like apoptotic protease 6|OTTHUMP00000002322|OTTHUMP00000002323|OTTHUMP000044594|apoptotic protease MCH-6|apoptotic protease activating factor 3|caspase 9|caspase 9, apoptosis-related cysteine protease

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Apoptosis](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [Focal adhesion](#)
- [Non-small cell lung cancer](#)
- [p53 signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Small cell lung cancer](#)
- [Small cell lung cancer](#)
- [Ubiquitin mediated proteolysis](#)
- [VEGF signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Arthritis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Clubfoot](#)
- [Colorectal Neoplasms](#)
- [Common Variable Immunodeficiency](#)
- [Crohn Disease](#)
- [Cryopyrin-associated Periodic Syndromes](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Familial Mediterranean Fever](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)

- [Hepatitis](#)
- [Hodgkin Disease](#)
- [Immunologic Deficiency Syndromes](#)
- [Intestinal Fistula](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Lymphoproliferative Disorders](#)
- [Mevalonate Kinase Deficiency](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [NARP](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neoplasms](#)
- [Neovascularization](#)
- [Occupational Diseases](#)
- [Pancreatic Neoplasms](#)
- [Prostatic Neoplasms](#)

- [Pulmonary Disease](#)
- [Severe Combined Immunodeficiency](#)
- [Small Cell Lung Carcinoma](#)
- [Stomach Neoplasms](#)
- [Substance-Related Disorders](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)