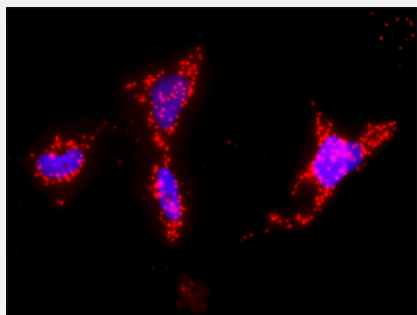


CASP3 & MET Protein Protein Interaction Antibody Pair

Catalog # DI0562

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between CASP3 and MET. HeLa cells were stained with anti-CASP3 rabbit purified polyclonal antibody 1:1200 and anti-MET mouse purified polyclonal 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 CASP3 protein, and the other against the MET 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 CASP3 and MET. HeLa cells were stained with anti-CASP3 rabbit purified polyclonal antibody 1:1200 and anti-MET mouse purified polyclonal 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. CASP3 rabbit purified polyclonal antibody (100 ug)
2. MET mouse purified polyclonal 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 — CASP3

Entrez GeneID	836
Gene Name	CASP3
Gene Alias	CPP32, CPP32B, SCA-1
Gene Description	caspase 3, apoptosis-related cysteine peptidase
Omim ID	600636
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein which is 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 cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein. [provided by RefSeq]
Other Designations	OTTHUMP00000165054 PARP cleavage protease SREBP cleavage activity 1 Yama apopain caspase 3 caspase 3, apoptosis-related cysteine protease cysteine protease CPP32 procaspase3

Gene Info — MET

Entrez GeneID	4233
Gene Name	MET
Gene Alias	AUTS9, HGFR, RCCP2, c-Met
Gene Description	met proto-oncogene (hepatocyte growth factor receptor)
Omim ID	114550 164860 605074 611015
Gene Ontology	Hyperlink

Gene Summary

The proto-oncogene MET product is the hepatocyte growth factor receptor and encodes tyrosine-kinase activity. The primary single chain precursor protein is post-translationally cleaved to produce the alpha and beta subunits, which are disulfide linked to form the mature receptor. Various mutations in the MET gene are associated with papillary renal carcinoma. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

HGF receptor|OTTHUMP00000069168|SF receptor|met proto-oncogene|met proto-oncogene tyrosine kinase|oncogene MET|scatter factor receptor

Pathway

- [Adherens junction](#)
- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Apoptosis](#)
- [Axon guidance](#)
- [Colorectal cancer](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Focal adhesion](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Natural killer cell mediated cytotoxicity](#)
- [p53 signaling pathway](#)
- [Pathways in cancer](#)
- [Pathways in cancer](#)
- [Renal cell carcinoma](#)

Disease

- [Adenocarcinoma](#)
- [Adenocarcinoma](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Autistic Disorder](#)
- [Carcinoma](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cell Transformation](#)
- [Child Development Disorders](#)
- [Chronic Disease](#)
- [Clubfoot](#)
- [Cognition Disorders](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Diseases](#)
- [Gastrointestinal Stromal Tumors](#)

- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Myopia](#)
- [NARP](#)
- [Nasal Polyps](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Neoplasms](#)
- [Neovascularization](#)

- [Neuropsychological Tests](#)
- [Occupational Diseases](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Pulmonary Disease](#)
- [Refractive Errors](#)
- [Rhinitis](#)
- [Schizophrenia](#)
- [Sinusitis](#)
- [Skin Neoplasms](#)
- [Small Cell Lung Carcinoma](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)
- [Werner syndrome](#)