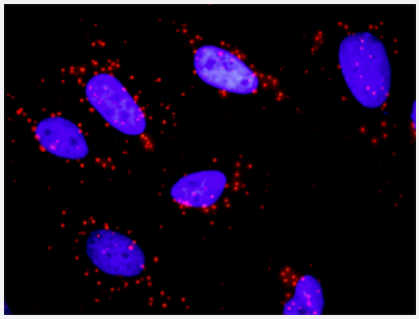
TRAF2 & MAP3K1 Protein Protein Interaction Antibody Pair

Catalog # DI0490 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between TRAF2 and MAP3K1. HeLa cells were stained with anti-TRAF2 rabbit purified polyclonal antibody 1:1200 and anti-MAP3K1 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 TRAF2 protein, and the other against the MAP3K1 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 TRAF2 and MAP3K1. HeLa cells were stained with anti-TRAF2 rabbit purified polyclonal antibody 1:1200 and anti-MAP3K1 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. TRAF2 rabbit purified polyclonal antibody (100 ug) 2. MAP3K1 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 — MAP3K1

Entrez GeneID	4214
Gene Name	MAP3K1
Gene Alias	MAPKKK1, MEKK, MEKK1
Gene Description	mitogen-activated protein kinase kinase kinase 1
Omim ID	600982
Gene Ontology	Hyperlink
Gene Summary	MAP3K, or MEK kinase, is a serine/threonine kinase that occupies a pivotal role in a network of p hosphorylating enzymes integrating cellular responses to a number of mitogenic and metabolic sti muli, including insulin (MIM 176730) and many growth factors.[supplied by OMIM
Other Designations	MAP/ERK kinase kinase 1|MAPK/ERK kinase kinase 1|MEK kinase 1|OTTHUMP00000065818

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

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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
- GnRH signaling pathway
- MAPK signaling pathway
- MAPK signaling pathway
- Neurotrophin signaling pathway
- Pathways in cancer
- Small cell lung cancer
- Ubiquitin mediated proteolysis

Disease

- Adenocarcinoma
- Alzheimer disease
- Arthritis
- Breast cancer
- Breast Neoplasms

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- Cardiovascular Diseases
- Cardiovascular Diseases
- Colitis
- Connective Tissue Diseases
- Crohn Disease
- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus
- Disease Susceptibility
- Ductus Arteriosus
- Edema
- Edema
- Endometrial Neoplasms
- Fetal Diseases
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Hematologic Diseases
- HIV Infections
- Hodgkin Disease
- Infant
- Infection
- Inflammation
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Metabolic Syndrome X

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- Multiple Myeloma
- Musculoskeletal Diseases
- Neoplasm Invasiveness
- Neoplasms
- Neoplasms
- Occupational Diseases
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic Neoplasms
- Pregnancy Complications
- Premature Birth
- Retinopathy of Prematurity
- Skin Diseases
- Waldenstrom Macroglobulinemia
- Werner syndrome

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