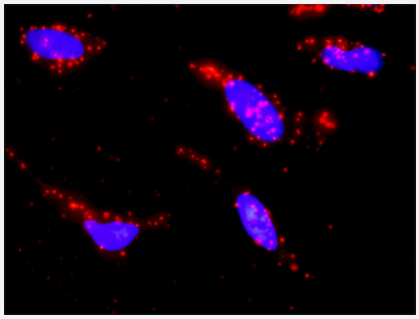
MAP3K7 & HSPA1L Protein Protein Interaction Antibody Pair

Catalog # DI0527 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between MAP3K7 and HSPA1L. HeLa cells were stained with anti-MAP3K7 rabbit purified polyclonal antibody 1:1200 and anti-HSPA1L 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 MAP3K7 protein, and the other against the HSPA1L 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 MAP3K7 and HSPA1L. HeLa cells were stained with anti-MAP3K7 rabbit purified polyclonal antibody 1:1200 and anti-HSPA1L 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. MAP3K7 rabbit purified polyclonal antibody (100 ug) 2. HSPA1L 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 — HSPA1L

Entrez GeneID	3305
Gene Name	HSPA1L
Gene Alias	HSP70-1L, HSP70-HOM, HSP70T, hum70t
Gene Description	heat shock 70kDa protein 1-like
Omim ID	140559
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a 70kDa heat shock protein. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translat ed proteins in the cytosol and in organelles. The gene is located in the major histocompatibility co mplex class III region, in a cluster with two closely related genes which also encode isoforms of th e 70kDa heat shock protein. [provided by RefSeq
Other Designations	OTTHUMP00000029295|heat shock 10kDa protein 1-like|heat shock 70kD protein-like 1

Gene Info — MAP3K7

Entrez GeneID	6885
Gene Name	MAP3K7
Gene Alias	TAK1, TGF1a
Gene Description	mitogen-activated protein kinase kinase kinase 7
Omim ID	602614
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq
Other Designations	OTTHUMP00000016870|OTTHUMP00000016871|OTTHUMP00000016872|OTTHUMP00000016873|TGF-beta activated kinase 1|transforming growth factor-beta-activated kinase 1

Pathway

- Adherens junction
- Antigen processing and presentation
- Endocytosis
- MAPK signaling pathway
- MAPK signaling pathway
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway
- Wnt signaling pathway

Disease

- Abortion
- Acute Disease
- AIDS-Related Opportunistic Infections
- Altitude Sickness
- Alzheimer disease
- Arthritis
- Arthritis
- Atrial Fibrillation

- Bone Resorption
- Brain Ischemia
- Carcinoma
- Cardiovascular Diseases
- Cerebrovascular Accident
- Cognition
- Colitis
- Connective Tissue Diseases
- Constriction
- Coronary Disease
- Critical Illness
- Crohn Disease
- Crohn Disease
- Cross Infection
- Depressive Disorder
- Diabetes Mellitus
- Diabetic Foot
- Diabetic Nephropathies
- Disease Progression
- Drug Hypersensitivity
- Duodenal Ulcer
- Edema
- Epidermal Necrolysis
- Exanthema
- Fetal Diseases

- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Glaucoma
- Graft vs Host Disease
- Graves Disease
- Hearing Loss
- Helicobacter Infections
- Hypertension
- Infection
- Inflammation
- Inflammatory Bowel Diseases
- Inflammatory Bowel Diseases
- Kidney Failure
- Leishmaniasis
- Lung Neoplasms
- Lupus Erythematosus
- Multiple Organ Failure
- Multiple Sclerosis
- Multiple Trauma
- Musculoskeletal Diseases
- Narcolepsy
- Obesity
- Osteoporosis
- Parkinson disease
- Pneumonia
- Postoperative Complications

- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Psychiatric Status Rating Scales
- Pulmonary Disease
- Pulmonary Edema
- Recurrence
- Sarcoidosis
- Schizophrenia
- Schizophrenic Psychology
- Skin Diseases
- Spondylarthropathies
- Stevens-Johnson Syndrome
- Stomach Neoplasms
- Stroke
- Syndrome
- Systemic Inflammatory Response Syndrome
- Thyroiditis
- Tobacco Use Disorder
- Uveitis