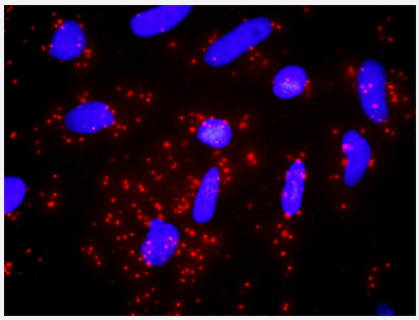
HSPB1 & DAXX Protein Protein Interaction Antibody Pair

Catalog # DI0524 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between HSPB1 and DAXX. HeLa cells were stained with anti-HSPB1 rabbit purified polyclonal antibody 1:1200 and anti-DAXX 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 HSPB1 protein, and the other against the DAXX 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 HSPB1 and DAXX. HeLa cells were stained with anti-HSPB1 rabbit purified polyclonal antibody 1:1200 and anti-DAXX 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. HSPB1 rabbit purified polyclonal antibody (100 ug) 2. DAXX 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 — DAXX

Entrez GeneID	1616
Gene Name	DAXX
Gene Alias	BING2, DAP6, EAP1, MGC126245, MGC126246
Gene Description	death-domain associated protein
Omim ID	603186
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a multifunctional protein that resides in multiple locations in the nucleus and in the cytoplasm. It interacts with a wide variety of proteins, such as apoptosis antigen Fas, centromere protein C, and transcription factor erythroblastosis virus E26 oncogene homolog 1. In the nucleus, the encoded protein functions as a potent transcription repressor that binds to sumoylated transcription factors. Its repression can be relieved by the sequestration of this protein into promyelocytic leukemia nuclear bodies or nucleoli. This protein also associates with centromeres in G2 phase. In the cytoplasm, the encoded protein may function to regulate apoptosis. The subcellular localization and function of this protein are modulated by post-translational modifications, including sumoylation, phosphorylation and polyubiquitination. Alternative splicing results in multiple transcript variants. [provided by RefSeq
Other Designations	CENP-C binding protein|ETS1-associated protein 1|Fas-binding protein|OTTHUMP00000029289|OTTHUMP00000029290|death-associated protein 6

Gene Info — HSPB1

Entrez GeneID	3315
Gene Name	HSPB1
Gene Alias	CMT2F, DKFZp586P1322, HMN2B, HS.76067, HSP27, HSP28, Hsp25, SRP27
Gene Description	heat shock 27kDa protein 1
Omim ID	602195 606595 608634
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is induced by environmental stress and developmental changes . The encoded protein is involved in stress resistance and actin organization and translocates fro m the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot -Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN). [provide d by RefSeq
Other Designations	OTTHUMP00000024846|estrogen-regulated 24 kDa protein|heat shock 27kD protein 1|heat sho ck protein beta-1|stress-responsive protein 27

Pathway

- Amyotrophic lateral sclerosis (ALS)
- MAPK signaling pathway
- MAPK signaling pathway
- VEGF signaling pathway

Disease

- Adenocarcinoma
- Carcinoma
- Charcot-Marie-Tooth Disease
- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Susceptibility
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Lung Neoplasms
- Lupus Erythematosus
- Small Cell Lung Carcinoma

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