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TP53 & DAXX Protein Protein Interaction Antibody Pair

Catalog # : DI0452

規格 : [1 Set]

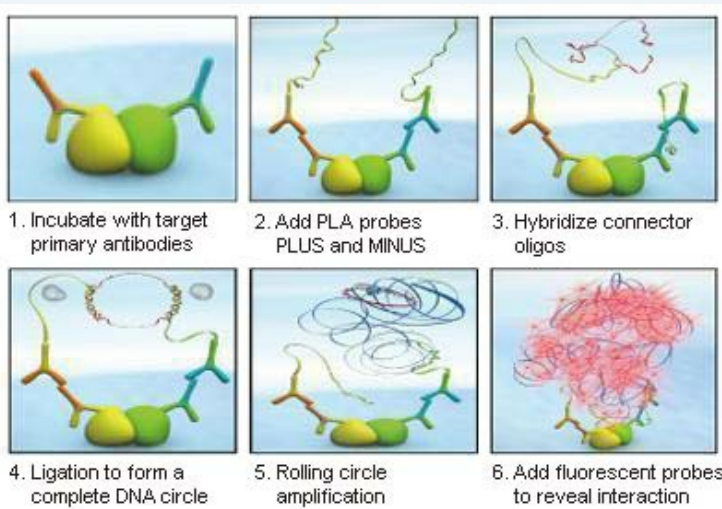
List All

Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the TP53 protein, and the other against the DAXX protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

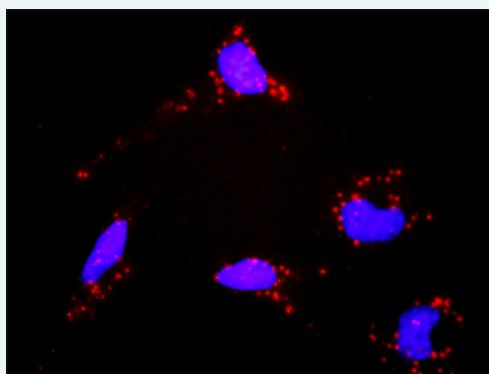
Application Image

In situ Proximity Ligation Assay (Cell)



Reactivity: Human


Quality Control Testing: Protein protein interaction immunofluorescence result.



Representative image of Proximity Ligation Assay of protein-protein interactions between TP53 and DAXX. HeLa cells were stained with anti-TP53 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 Product: Antibody pair set content:
 1. TP53 rabbit purified polyclonal antibody (20 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 -

MSDS: [Download](#)**Publication Reference**

1. An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma. Liu CH, Chen TC, Chau GY, Jan YH, Chen CH, Hsu CN, Lin KT, Juang YL, Lu PJ, Cheng HC, Chen MH, Chang CF, Ting YS, Kao CY, Hsiao M, Huang CY. Mol Cell Proteomics. 2013 Feb 8. [Epub ahead of print]

Applications***In situ* Proximity Ligation Assay (Cell)**[DAXX](#) [TP53](#)**Gene Information****Entrez GeneID:** [7157](#)**Gene Name:** TP53**Gene Alias:** FLJ92943,LFS1,TRP53,p53**Gene Description:** tumor protein p53**Omim ID:** [114480](#), [114500](#), [114550](#), [151623](#), [161550](#), [191170](#), [202300](#), [260350](#)**Gene Ontology:** [Hyperlink](#)

Gene Summary: This gene encodes tumor protein p53, which responds to diverse cellular stresses to regulate target genes that induce cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. p53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is postulated to bind to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mutants of p53 that frequently occur in a number of different human cancers fail to bind the consensus DNA binding site, and hence cause the loss of tumor suppressor activity. Alterations of this gene occur not only as somatic mutations in human malignancies, but also as germline mutations in some cancer-prone families with Li-Fraumeni syndrome. Multiple p53 variants due to alternative promoters and multiple alternative splicing have been found. These variants encode distinct isoforms, which can regulate p53 transcriptional activity. [provided by RefSeq]

Other Designations: p53 antigen,p53 transformation suppressor,p53 tumor suppressor,phosphoprotein p53,transformation-related protein 53

Gene Information**Entrez GeneID:** [1616](#)**Gene Name:** DAXX**Gene Alias:** BING2,DAP6,EAP1,MGC126245,MGC126246**Gene Description:** death-domain associated protein

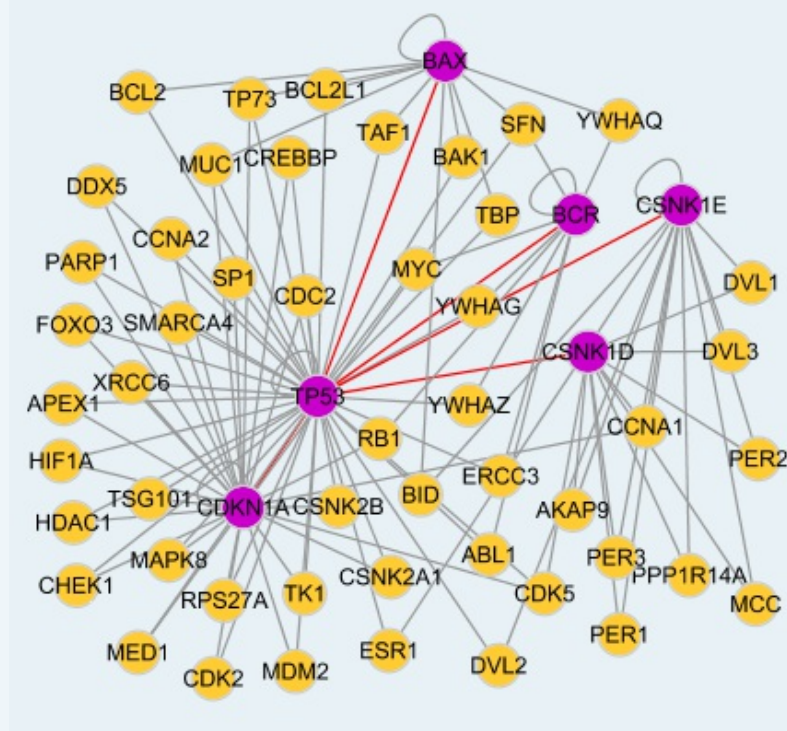
Omim ID: [603186](#)

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

Interactome



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