



# SZABO SCANDIC

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- Gefahrgutzuschlag
- Expressversand

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## TP53 & FOXO3 Protein Protein Interaction Antibody Pair

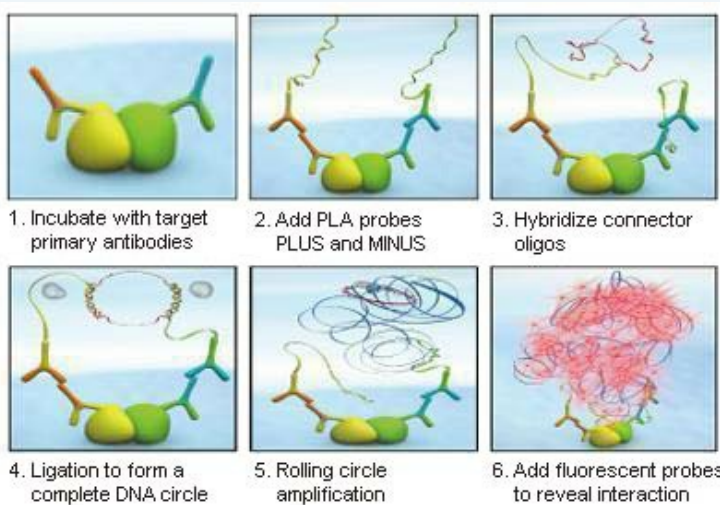
Catalog # : DI0231

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 FOXO3 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

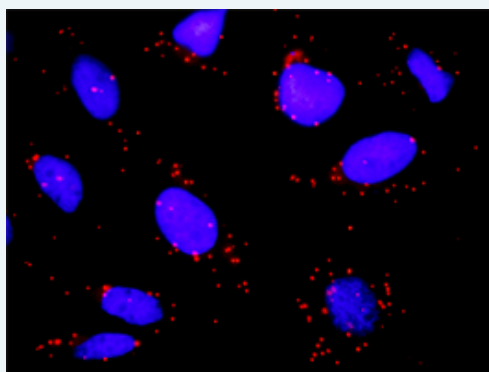


### Application Image

*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 FOXO3. HeLa cells were stained with anti-TP53 rabbit purified polyclonal antibody 1:1200 and anti-FOXO3 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. FOXO3 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)**[FOXO3](#) [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:** [2309](#)**Gene Name:** FOXO3**Gene Alias:** AF6q21,DKFZp781A0677,FKHRL1,FKHRL1P2,FOXO2,FOXO3A,MGC12739,MGC31925**Gene Description:** forkhead box O3

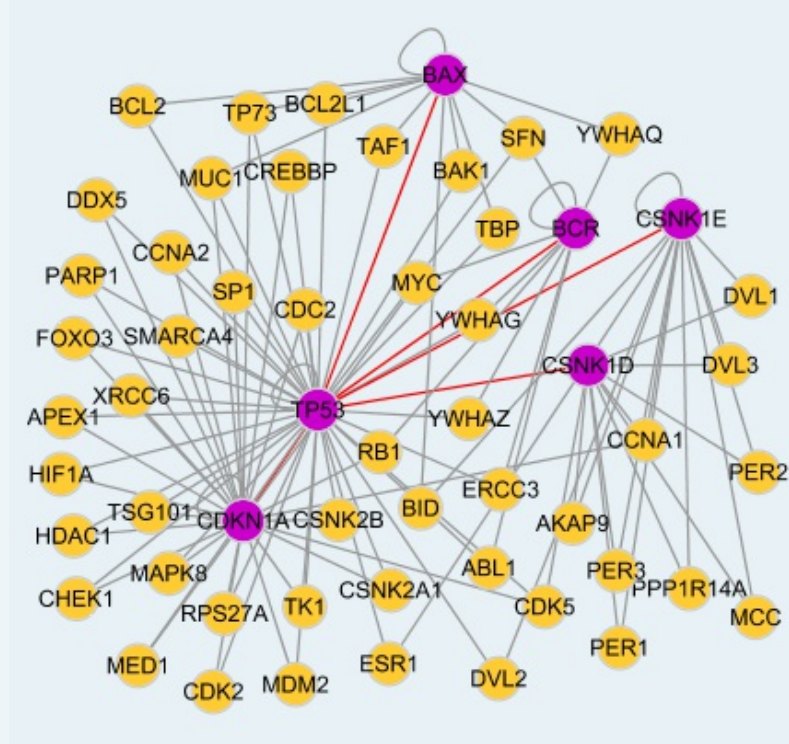
Omim ID: 602681

Gene Ontology: [Hyperlink](#)

**Gene Summary:** This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq]

**Other Designations:** OTTHUMP00000016944, forkhead box O3A, forkhead homolog (rhabdomyosarcoma) like 1, forkhead, Drosophila, homolog of, in rhabdomyosarcoma-like 1

#### Interactome



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