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TGFB1 & DAXX Protein Protein Interaction Antibody Pair

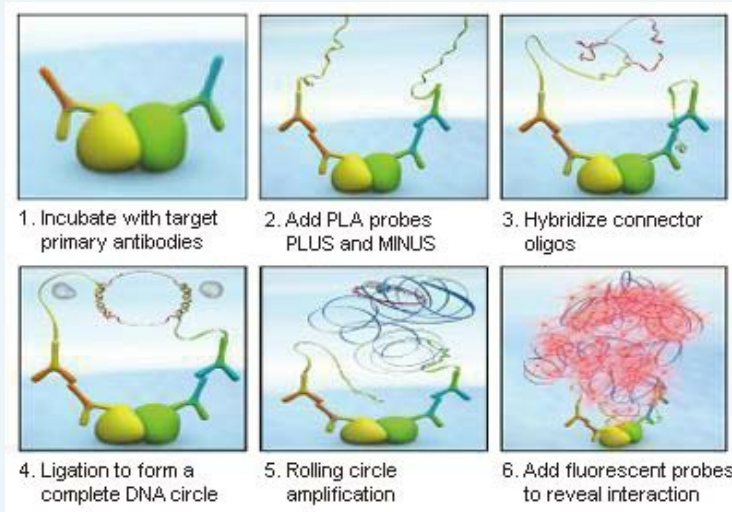
Catalog # : DI0451

規格 : [1 Set]

List All

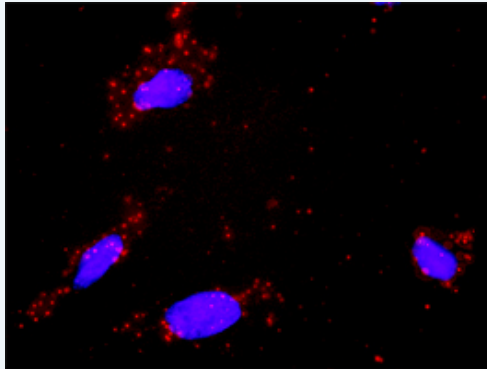
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the TGFB1 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.



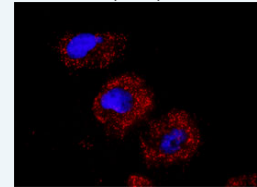
Representative image of Proximity Ligation Assay of protein-protein interactions between TGFB1 and DAXX. HeLa cells were stained with anti-TGFB1 rabbit purified polyclonal antibody 1:1200 and anti-DAXX mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction 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. TGFB1 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 -

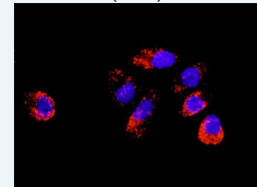
Application Image

In situ Proximity Ligation Assay (Cell)



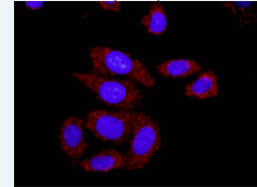
[enlarge](#)

In situ Proximity Ligation Assay (Cell)



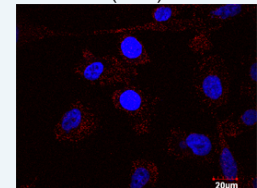
[enlarge](#)

In situ Proximity Ligation Assay (Cell)



[enlarge](#)

In situ Proximity Ligation Assay (Cell)



[enlarge](#)

20°C storage immediately after use.

MSDS:

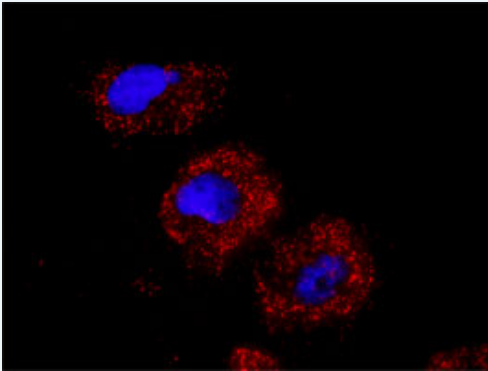
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Publication Reference

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]
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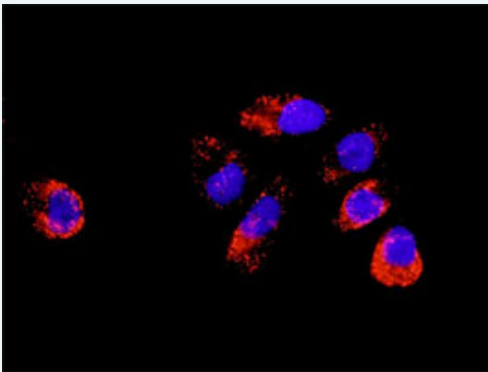
Applications

In situ Proximity Ligation Assay (Cell)



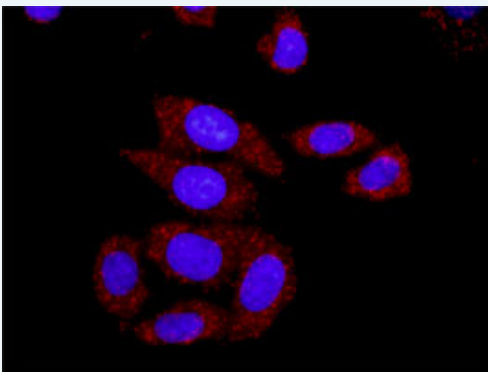
Representative image of Proximity Ligation Assay of protein-protein interactions between TGFB1 and DAXX. PC-3 cells were stained with anti-TGFB1 rabbit purified polyclonal antibody 1:100 and anti-DAXX mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

In situ Proximity Ligation Assay (Cell)



Representative image of Proximity Ligation Assay of protein-protein interactions between TGFB1 and DAXX. A-549 cells were stained with anti-TGFB1 rabbit purified polyclonal antibody 1:100 and anti-DAXX mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

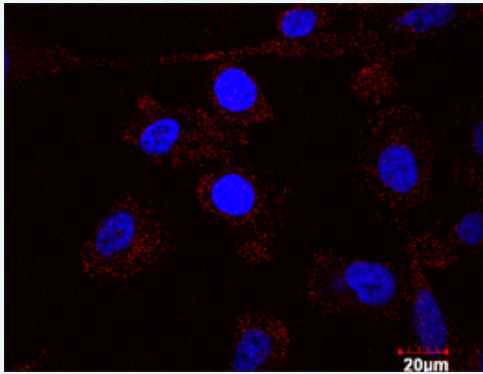
In situ Proximity Ligation Assay (Cell)



Representative image of Proximity Ligation Assay of protein-protein interactions between TGFB1 and DAXX. HT-29 cells were stained with anti-TGFB1 rabbit purified polyclonal

antibody 1:100 and anti-DAXX mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

***In situ* Proximity Ligation Assay (Cell)**



Confocal microscopy image of Proximity Ligation Assay of protein-protein interactions between TGFB1 and DAXX. PC-3 cells were stained with anti-TGFB1 rabbit purified polyclonal antibody 1:100 and anti-DAXX mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

DAXX TGFB1

Gene Information

Entrez GeneID: [7040](#)

Gene Name: TGFB1

Gene Alias: CED,DPD1,TGFB,TGFbeta

Gene Description: transforming growth factor, beta 1

Omim ID: [131300](#), [190180](#), [219700](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: TGFB is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. TGFB acts synergistically with TGFA (MIM 190170) in inducing transformation. It also acts as a negative autocrine growth factor. Dysregulation of TGFB activation and signaling may result in apoptosis. Many cells synthesize TGFB and almost all of them have specific receptors for this peptide. TGFB1, TGFB2 (MIM 190220), and TGFB3 (MIM 190230) all function through the same receptor signaling systems.[supplied by OMIM

Other Designations: TGF-beta 1 protein,diaphyseal dysplasia 1, progressive,transforming growth factor-beta 1

Gene Information

Entrez GeneID: [1616](#)

Gene Name: DAXX

Gene Alias: BING2,DAP6,EAP1,MGC126245,MGC126246

Gene Description: death-domain associated protein

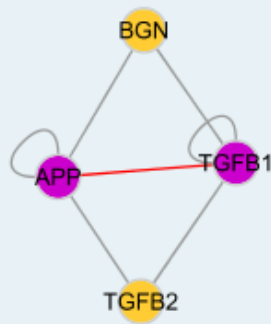
Omim ID: [603186](#)

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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