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ATF4 & JUN Protein Protein Interaction Antibody Pair

Catalog # : DI0607

規格 : [1 Set]

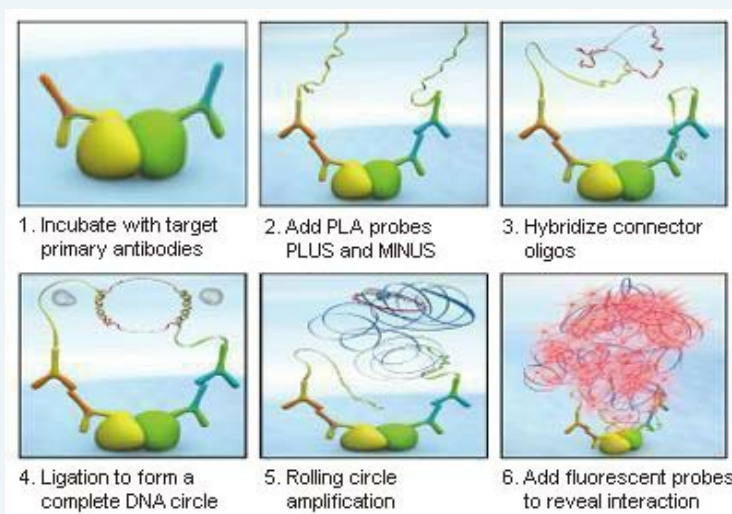
List All

Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the ATF4 protein, and the other against the JUN protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

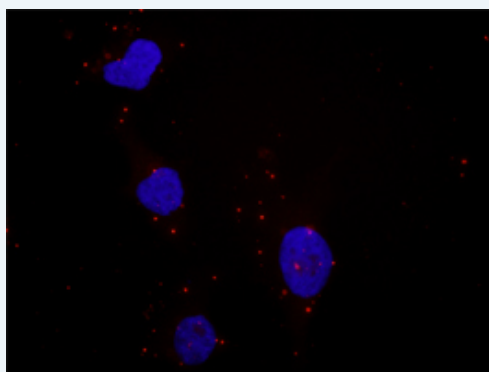
Application Image

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 ATF4 and JUN. HeLa cells were stained with anti-ATF4 rabbit purified polyclonal antibody 1:1200 and anti-JUN mouse purified polyclonal 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. ATF4 rabbit purified polyclonal antibody (20 ug)
 2. JUN mouse purified polyclonal 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)**ATF4 JUN**Gene Information****Entrez GeneID:** 468**Gene Name:** ATF4**Gene Alias:** CREB-2, CREB2, TAXREB67, TXREB**Gene Description:** activating transcription factor 4 (tax-responsive enhancer element B67)**Omim ID:** 604064**Gene Ontology:** [Hyperlink](#)

Gene Summary: This gene encodes a transcription factor that was originally identified as a widely expressed mammalian DNA binding protein that could bind a tax-responsive enhancer element in the LTR of HTLV-1. The encoded protein was also isolated and characterized as the cAMP-response element binding protein 2 (CREB-2). The protein encoded by this gene belongs to a family of DNA-binding proteins that includes the AP-1 family of transcription factors, cAMP-response element binding proteins (CREBs) and CREB-like proteins. These transcription factors share a leucine zipper region that is involved in protein-protein interactions, located C-terminal to a stretch of basic amino acids that functions as a DNA binding domain. Two alternative transcripts encoding the same protein have been described. Two pseudogenes are located on the X chromosome at q28 in a region containing a large inverted duplication. [provided by RefSeq]

Other Designations: activating transcription factor 4, cAMP response element-binding protein 2**Gene Information****Entrez GeneID:** 3725**Gene Name:** JUN**Gene Alias:** AP-1, AP1, c-Jun**Gene Description:** jun oncogene**Omim ID:** 165160**Gene Ontology:** [Hyperlink](#)

Gene Summary: This gene is the putative transforming gene of avian sarcoma virus 17. It encodes a protein which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies. [provided by RefSeq]

Other Designations: Jun activation domain binding protein, OTTHUMP00000010036, activator protein 1, enhancer-binding protein AP1, v-jun avian sarcoma virus 17 oncogene homolog, v-jun sarcoma virus 17 oncogene homolog

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