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HNF4A & FOXO1 Protein Protein Interaction Antibody Pair

Catalog # : DI0218

規格 : [1 Set]

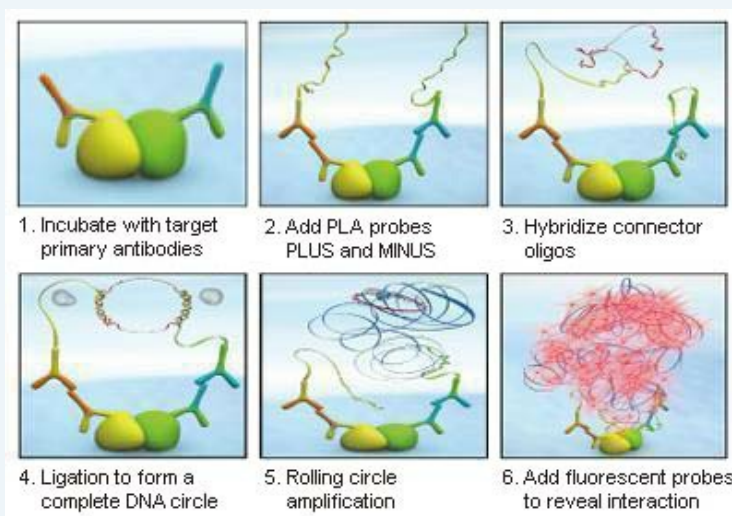
List All

Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the HNF4A protein, and the other against the FOXO1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

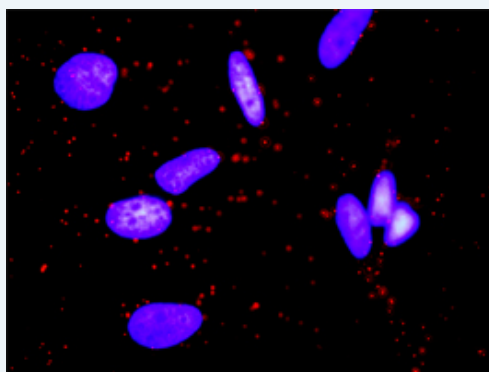
Application Image

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 HNF4A and FOXO1. HeLa cells were stained with anti-HNF4A rabbit purified polyclonal antibody 1:1200 and anti-FOXO1 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. HNF4A rabbit purified polyclonal antibody (20 ug)
 2. FOXO1 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)**[FOXO1](#) [HNF4A](#)**Gene Information****Entrez GeneID:** [3172](#)**Gene Name:** HNF4A**Gene Alias:** FLJ39654,HNF4,HNF4a7,HNF4a8,HNF4a9,MODY,MODY1,NR2A1,NR2A21,TCF,TCF14**Gene Description:** hepatocyte nuclear factor 4, alpha**Omim ID:** [125850](#), [125853](#), [600281](#)**Gene Ontology:** [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines. Mutations in this gene have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq]

Other Designations: HNF4-alpha,OTTHUMP00000031060,OTTHUMP00000031062,hepatic nuclear factor 4 alpha,hepatocyte nuclear factor 4 alpha,transcription factor-14

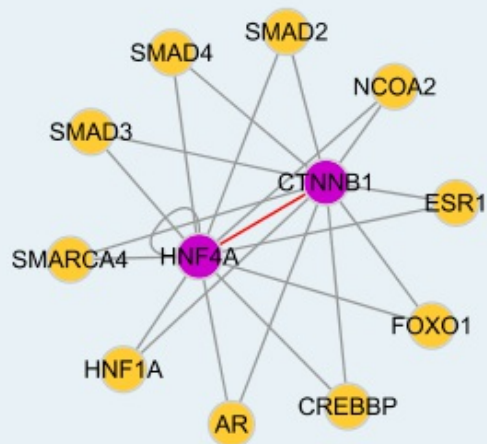
Gene Information**Entrez GeneID:** [2308](#)**Gene Name:** FOXO1**Gene Alias:** FKH1,FKHR,FOXO1A**Gene Description:** forkhead box O1**Omim ID:** [136533](#), [268220](#)**Gene Ontology:** [Hyperlink](#)

Gene Summary: This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in

myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma. [provided by RefSeq]

Other Designations: OTTHUMP00000018301, forkhead box O1A (rhabdomyosarcoma), forkhead homolog in rhabdomyosarcoma, forkhead, Drosophila, homolog of, in rhabdomyosarcoma

Interactome



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