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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PXN & PTEN Protein Protein Interaction Antibody Pair

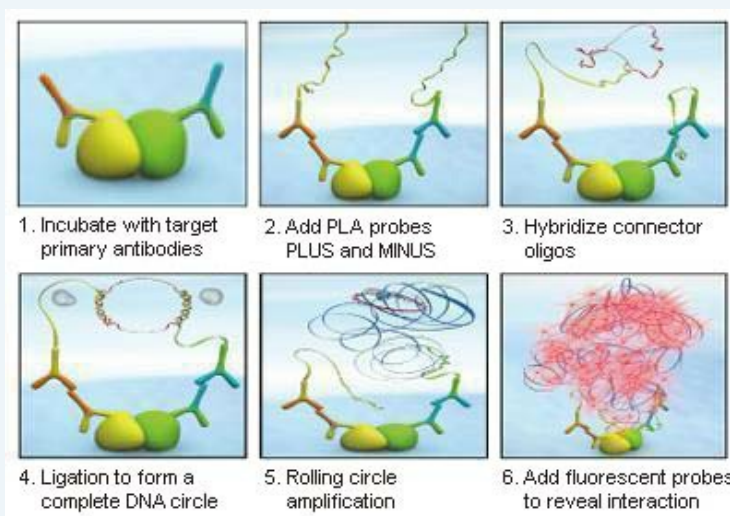
Catalog # : DI0395

規格 : [1 Set]

List All

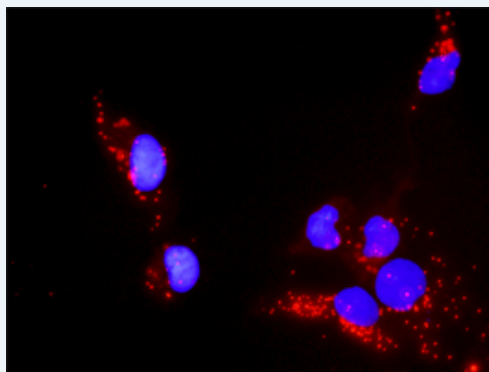
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the PXN protein, and the other against the PTEN 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 PXN and PTEN. MHLV cells were stained with anti-PXN rabbit purified polyclonal antibody 1:1200 and anti-PTEN 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. PXN rabbit purified polyclonal antibody (20 ug)
 2. PTEN 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)

20°C storage immediately after use.

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)

[PTEN](#) [PXN](#)

Gene Information

Entrez GeneID: [5829](#)

Gene Name: PXN

Gene Alias: FLJ16691

Gene Description: paxillin

Omim ID: [602505](#)

Gene Ontology: [Hyperlink](#)

Other Designations: -

Gene Information

Entrez GeneID: [5728](#)

Gene Name: PTEN

Gene Alias: 10q23del,BZS,MGC11227,MHAM,MMAC1,PTEN1,TEP1

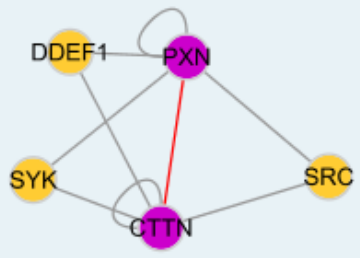
Gene Description: phosphatase and tensin homolog

Omim ID: [137800](#), [153480](#), [158350](#), [174900](#), [176807](#), [176920](#), [188470](#), [276950](#), [601728](#), [605309](#), [607174](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene was identified as a tumor suppressor that is mutated in a large number of cancers at high frequency. The protein encoded this gene is a phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase. It contains a tensin like domain as well as a catalytic domain similar to that of the dual specificity protein tyrosine phosphatases. Unlike most of the protein tyrosine phosphatases, this protein preferentially dephosphorylates phosphoinositide substrates. It negatively regulates intracellular levels of phosphatidylinositol-3,4,5-trisphosphate in cells and functions as a tumor suppressor by negatively regulating AKT/PKB signaling pathway. [provided by RefSeq]

Other Designations: MMAC1 phosphatase and tensin homolog deleted on chromosome 10, OTTHUMP00000020032, mutated in multiple advanced cancers 1



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