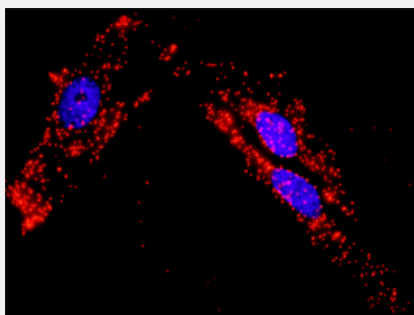


# PXN & CTTN Protein Protein Interaction Antibody Pair

Catalog # DI0144

Size 1 Set

## Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between PXN and CTTN. HeLa cells were stained with anti-PXN rabbit purified polyclonal antibody 1:1200 and anti-CTTN 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.

## 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 CTTN 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 CTTN. HeLa cells were stained with anti-PXN rabbit purified polyclonal antibody 1:1200 and anti-CTTN 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 (100 ug)  
2. CTTN 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 -20°C storage immediately after use.

## Applications

- *In situ* Proximity Ligation Assay (Cell)

## Gene Info — CTTN

Entrez GeneID	<a href="#">2017</a>
Gene Name	CTTN
Gene Alias	EMS1, FLJ34459
Gene Description	cortactin
Omim ID	<a href="#">164765</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene is overexpressed in breast cancer and squamous cell carcinomas of the head and neck. The encoded protein is localized in the cytoplasm and in areas of the cell-substratum contacts. This gene has two roles: (1) regulating the interactions between components of adherens-type junctions and (2) organizing the cytoskeleton and cell adhesion structures of epithelia and carcinoma cells. During apoptosis, the encoded protein is degraded in a caspase-dependent manner. The aberrant regulation of this gene contributes to tumor cell invasion and metastasis. Two splice variants that encode different isoforms have been identified for this gene. [provided by RefSeq]
Other Designations	1110020L01Rik ems1 sequence (mammary tumor and squamous cell carcinoma-associated (p80/85 src substrate) oncogene EMS1

## Gene Info — PXN

Entrez GeneID	<a href="#">5829</a>
Gene Name	PXN
Gene Alias	FLJ16691
Gene Description	paxillin
Omim ID	<a href="#">602505</a>
Gene Ontology	<a href="#">Hyperlink</a>
Other Designations	-

## Pathway

- [Chemokine signaling pathway](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Regulation of actin cytoskeleton](#)
- [Tight junction](#)
- [VEGF signaling pathway](#)

## Disease

- [Asthma](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)