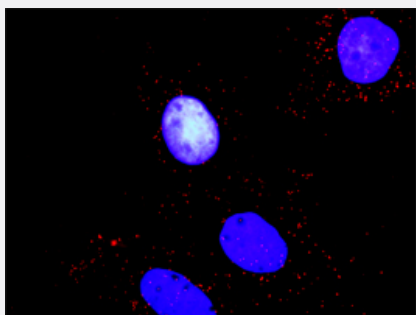


PTK2 & YES1 Protein Protein Interaction Antibody Pair

Catalog # DI0398

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between PTK2 and YES1. Huh7 cells were stained with anti-PTK2 rabbit purified polyclonal antibody 1:1200 and anti-YES1 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 PTK2 protein, and the other against the YES1 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 PTK2 and YES1. Huh7 cells were stained with anti-PTK2 rabbit purified polyclonal antibody 1:1200 and anti-YES1 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. PTK2 rabbit purified polyclonal antibody (100 ug)
2. YES1 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 — PTK2

| | |
|--------------------|--|
| Entrez GeneID | 5747 |
| Gene Name | PTK2 |
| Gene Alias | FADK, FAK, FAK1, pp125FAK |
| Gene Description | PTK2 protein tyrosine kinase 2 |
| Omim ID | 600758 |
| Gene Ontology | Hyperlink |
| Gene Summary | This gene encodes a cytoplasmic protein tyrosine kinase which is found concentrated in the focal adhesions that form between cells growing in the presence of extracellular matrix constituents. The encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks significant sequence similarity to kinases from other subfamilies. Activation of this gene may be an important early step in cell growth and intracellular signal transduction pathways triggered in response to certain neural peptides or to cell interactions with the extracellular matrix. At least four transcript variants encoding four different isoforms have been found for this gene, but the full-length natures of only two of them have been determined. [provided by RefSeq] |
| Other Designations | focal adhesion kinase 1 |

Gene Info — YES1

| | |
|------------------|--|
| Entrez GeneID | 7525 |
| Gene Name | YES1 |
| Gene Alias | HsT441, P61-YES, Yes, c-yes |
| Gene Description | v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1 |
| Omim ID | 164880 |
| Gene Ontology | Hyperlink |
| Gene Summary | This gene is the cellular homolog of the Yamaguchi sarcoma virus oncogene. The encoded protein has tyrosine kinase activity and belongs to the src family of proteins. This gene lies in close proximity to thymidylate synthase gene on chromosome 18, and a corresponding pseudogene has been found on chromosome 22. [provided by RefSeq] |

Other Designations

OTTHUMP00000162194|Yamaguchi sarcoma oncogene|cellular yes-1 protein|proto-oncogene tyrosine-protein kinase YES|viral oncogene yes-1 homolog 1

Pathway

- [Adherens junction](#)
- [Axon guidance](#)
- [Chemokine signaling pathway](#)
- [ErbB signaling pathway](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Pathways in cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Small cell lung cancer](#)
- [Tight junction](#)
- [VEGF signaling pathway](#)

Disease

- [Autistic Disorder](#)
- [Celiac Disease](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Mental Retardation](#)
- [Neovascularization](#)

- [Psychotic Disorders](#)
- [Schizophrenia](#)