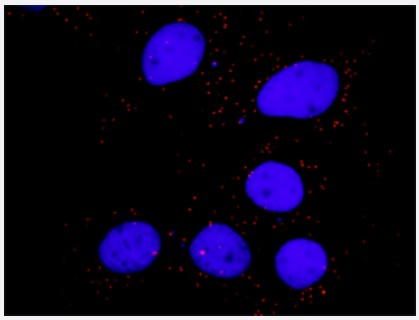
PTK2 & CRKL Protein Protein Interaction Antibody Pair

Catalog # DI0020 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between PTK2 and CRKL. Huh7 cells were stained with anti-PTK2 rabbit purified polyclonal antibody 1:600 and anti-CRKL mouse monoclonal antibody 1:100. 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 CRKL 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 CRKL. Huh7 cells were stained with anti-PTK2 rabbit purified polyclonal antibody 1:600 and anti-CRKL mouse monoclonal antibody 1:100. 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 Products	Antibody pair set content: 1. PTK2 rabbit purified polyclonal antibody (100 ug) 2. CRKL 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- *In situ* Proximity Ligation Assay (Cell)

Gene Info — CRKL

Entrez GeneID	1399
Gene Name	CRKL
Gene Alias	-
Gene Description	v-crk sarcoma virus CT10 oncogene homolog (avian)-like
Omim ID	602007
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein kinase containing SH2 and SH3 (src homology) domains which has been shown to activate the RAS and JUN kinase signaling pathways and transform fibroblasts in a RAS-dependent fashion. It is a substrate of the BCR-ABL tyrosine kinase, plays a role in fibrobl ast transformation by BCR-ABL, and may be oncogenic
Other Designations	v-crk avian sarcoma virus CT10 oncogene homolog-like

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. Th e encoded protein is a member of the FAK subfamily of protein tyrosine kinases but lacks signific ant sequence similarity to kinases from other subfamilies. Activation of this gene may be an impor tant early step in cell growth and intracellular signal transduction pathways triggered in response t o 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Pathway

- Axon guidance
- Chemokine signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- ErbB signaling pathway
- ErbB signaling pathway
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- Focal adhesion
- Insulin signaling pathway
- Leukocyte transendothelial migration
- MAPK signaling pathway
- Neurotrophin signaling pathway
- Pathways in cancer
- Pathways in cancer
- Regulation of actin cytoskeleton
- Regulation of actin cytoskeleton
- Renal cell carcinoma
- Small cell lung cancer
- VEGF signaling pathway

Disease

- Autistic Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- HIV Infections
- Leukemia
- Mental Retardation
- Neovascularization
- Psychotic Disorders
- Schizophrenia

Copyright © 2023 Abnova Corporation. All Rights Reserved.