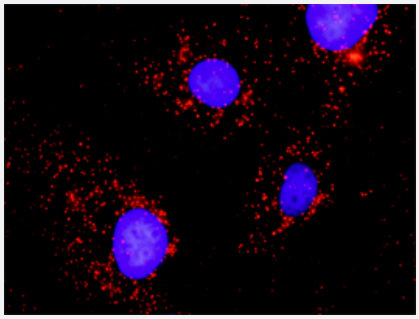
CRKL & PTPN11 Protein Protein Interaction Antibody Pair

Catalog # DI0024 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between CRKL and PTPN11. Mahlavu cells were stained with anti-CRKL rabbit purified polyclonal antibody 1:600 and anti-PTPN11 mouse purified polyclonal 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 CRKL protein, and the other against the PTPN11 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 CRKL and PTPN11. Mahlavu cells were stained with anti-CRKL rabbit purified polyclonal antibody 1:600 and anti-PTPN11 mouse purified polyclonal 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. CRKL rabbit purified polyclonal antibody (100 ug) 2. PTPN11 mouse purified polyclonal 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 fibroblast transformation by BCR-ABL, and may be oncogenic
Other Designations	v-crk avian sarcoma virus CT10 oncogene homolog-like

Gene Info — PTPN11

Entrez GeneID	5781
Gene Name	PTPN11
Gene Alias	BPTP3, CFC, MGC14433, NS1, PTP-1D, PTP2C, SH-PTP2, SH-PTP3, SHP2
Gene Description	protein tyrosine phosphatase, non-receptor type 11
Omim ID	151100 163950 176876 607785
Gene Ontology	Hyperlink

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Summary	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including c ell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains two tand em Src homology-2 domains, which function as phospho-tyrosine binding domains and mediate t he interaction of this PTP with its substrates. This PTP is widely expressed in most tissues and pl ays a regulatory role in various cell signaling events that are important for a diversity of cell functio ns, such as mitogenic activation, metabolic control, transcription regulation, and cell migration. Mu tations in this gene are a cause of Noonan syndrome as well as acute myeloid leukemia. [provide d by RefSeq
Other Designations	protein tyrosine phosphatase-2|protein-tyrosine phosphatase 2C

Pathway

- Adipocytokine signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Chronic myeloid leukemia
- Epithelial cell signaling in Helicobacter pylori infection
- ErbB signaling pathway
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- Insulin signaling pathway
- Jak-STAT signaling pathway
- Leukocyte transendothelial migration
- MAPK signaling pathway
- Natural killer cell mediated cytotoxicity
- Neurotrophin signaling pathway
- Neurotrophin signaling pathway
- Pathways in cancer
- Regulation of actin cytoskeleton
- Renal cell carcinoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Renal cell carcinoma

Disease

- Abnormalities
- Addison Disease
- Adenocarcinoma
- Arrhythmias
- Articulation Disorders
- Atrophy
- Cardiovascular Diseases
- Cardiovascular Diseases
- Celiac Disease
- Cleft Lip
- Cleft Palate
- Cognition
- Cognition Disorders
- Colitis
- Craniofacial Abnormalities
- Crohn Disease
- Developmental Disabilities
- Diabetes Mellitus
- Disease Progression
- Down Syndrome
- Ductus Arteriosus
- Dyslexia
- Ectodermal Dysplasia

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Edema
- Esophageal Neoplasms
- Gastritis
- Genetic Predisposition to Disease
- Glioma
- Growth Disorders
- Hearing
- Hearing Loss
- Heart Defects
- Heart Septal Defects
- Helicobacter Infections
- Hematologic Diseases
- Hypertrophy
- Infant
- Language Disorders
- LEOPARD Syndrome
- Leukemia
- Lymphedema
- Memory
- Metaplasia
- Mitochondrial Diseases
- Motor Skills
- Motor Skills Disorders
- Myeloproliferative Disorders
- Neurofibromatoses

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Neurofibromatosis
- Neurofibromatosis 1
- Neuropsychological Tests
- Noonan Syndrome
- Obesity
- Ovarian Failure
- Pancreatic cancer
- Pancreatic Neoplasms
- Peptic Ulcer
- Polycystic Ovary Syndrome
- Puberty
- Pulmonary Valve Stenosis
- Skin Abnormalities
- Stomach Neoplasms
- Syndrome
- Thrombophilia
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.