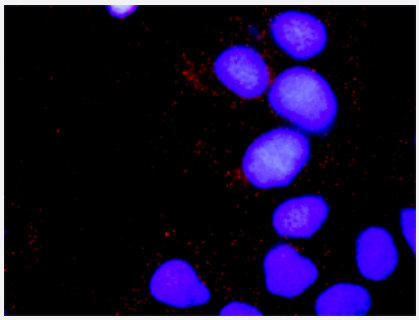
CRKL & SOS1 Protein Protein Interaction Antibody Pair

Catalog # DI0002 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between CRKL and SOS1. Huh7 cells were stained with anti-CRKL rabbit purified polyclonal antibody 1:1200 and anti-SOS1 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 CRKL protein, and the other against the SOS1 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 SOS1. Huh7 cells were stained with anti-CRKL rabbit purified polyclonal antibody 1:1200 and anti-SOS1 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 Products	Antibody pair set content: 1. CRKL rabbit purified polyclonal antibody (100 ug) 2. SOS1 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

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- *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 — SOS1

Entrez GeneID	6654
Gene Name	SOS1
Gene Alias	GF1, GGF1, GINGF, HGF, NS4
Gene Description	son of sevenless homolog 1 (Drosophila)
Omim ID	135300 182530 610733
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is a guanine nucleotide exchange factor for RAS proteins, mem brane proteins that bind guanine nucleotides and participate in signal transduction pathways. GT P binding activates and GTP hydrolysis inactivates RAS proteins. The product of this gene may re gulate RAS proteins by facilitating the exchange of GTP for GDP. Mutations in this gene are asso ciated with gingival fibromatosis 1 and Noonan syndrome type 4. [provided by RefSeq
Other Designations	OTTHUMP00000128306|gingival fibromatosis, hereditary, 1|guanine nucleotide exchange factor| son of sevenless homolog 1

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Pathway

- Acute myeloid leukemia
- B cell receptor signaling pathway
- Chemokine signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Chronic myeloid leukemia
- Colorectal cancer
- Dorso-ventral axis formation
- Endometrial cancer
- ErbB signaling pathway
- ErbB signaling pathway
- Fc epsilon RI signaling pathway
- Fc gamma R-mediated phagocytosis
- Focal adhesion
- Focal adhesion
- Gap junction
- Glioma
- GnRH signaling pathway
- Insulin signaling pathway
- Insulin signaling pathway
- Jak-STAT signaling pathway
- MAPK signaling pathway
- MAPK signaling pathway
- Natural killer cell mediated cytotoxicity

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- Neurotrophin signaling pathway
- Neurotrophin signaling pathway
- Non-small cell lung cancer
- Pathways in cancer
- Pathways in cancer
- Prostate cancer
- Regulation of actin cytoskeleton
- Regulation of actin cytoskeleton
- Renal cell carcinoma
- Renal cell carcinoma
- T cell receptor signaling pathway

Disease

- Abnormalities
- Angina Pectoris
- Articulation Disorders
- Cardiovascular Diseases
- Cardiovascular Diseases
- Cognition
- Cognition Disorders
- Coronary Vasospasm
- Craniofacial Abnormalities
- Developmental Disabilities
- Diabetes Mellitus
- Diabetes Mellitus
- Dyslexia

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- Ectodermal Dysplasia
- Edema
- Edema
- Genetic Predisposition to Disease
- Glioma
- Hearing
- Hearing Loss
- Heart Defects
- Language Disorders
- LEOPARD Syndrome
- Leukemia
- Memory
- Motor Skills
- Motor Skills Disorders
- Neuropsychological Tests
- Noonan Syndrome
- Skin Abnormalities
- Syndrome
- Tobacco Use Disorder

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