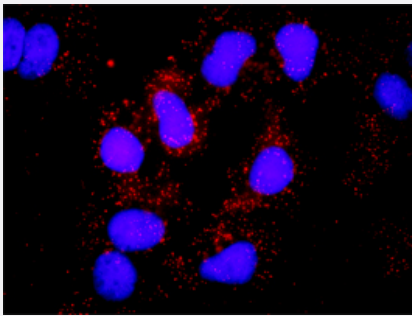


HCK & SOS1 Protein Protein Interaction Antibody Pair

Catalog # DI0009

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between HCK and SOS1. Huh7 cells were stained with anti-HCK 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 HCK 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 HCK and SOS1. Huh7 cells were stained with anti-HCK 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 Product	Antibody pair set content: 1. HCK 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

- *In situ* Proximity Ligation Assay (Cell)

Gene Info — HCK

Entrez GeneID	3055
Gene Name	HCK
Gene Alias	JTK9
Gene Description	hemopoietic cell kinase
Omim ID	142370
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a protein-tyrosine kinase that is predominantly expressed in hemopoietic cell types. The encoded protein may help couple the Fc receptor to the activation of the respiratory burst. In addition, it may play a role in neutrophil migration and in the degranulation of neutrophils. Alternate translation initiation site usage, including a non-AUG (CUG) codon, results in the production of two different isoforms, that have different subcellular localization. [provided by RefSeq]
Other Designations	tyrosine protein kinase HCK

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, membrane proteins that bind guanine nucleotides and participate in signal transduction pathways. GTP binding activates and GTP hydrolysis inactivates RAS proteins. The product of this gene may regulate RAS proteins by facilitating the exchange of GTP for GDP. Mutations in this gene are associated 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

Pathway

- [Acute myeloid leukemia](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Colorectal cancer](#)
- [Dorso-ventral axis formation](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [GnRH signaling pathway](#)
- [Insulin signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [MAPK signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)

- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [T cell receptor signaling pathway](#)

Disease

- [Abnormalities](#)
- [Angina Pectoris](#)
- [Articulation Disorders](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Coronary Vasospasm](#)
- [Craniofacial Abnormalities](#)
- [Developmental Disabilities](#)
- [Diabetes Mellitus](#)
- [Dyslexia](#)
- [Ectodermal Dysplasia](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Hearing](#)
- [Hearing Loss](#)
- [Heart Defects](#)
- [HIV Infections](#)
- [Language Disorders](#)
- [LEOPARD Syndrome](#)

- [Leukemia](#)
- [Memory](#)
- [Motor Skills](#)
- [Motor Skills Disorders](#)
- [Neuropsychological Tests](#)
- [Noonan Syndrome](#)
- [Pulmonary Disease](#)
- [Skin Abnormalities](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)