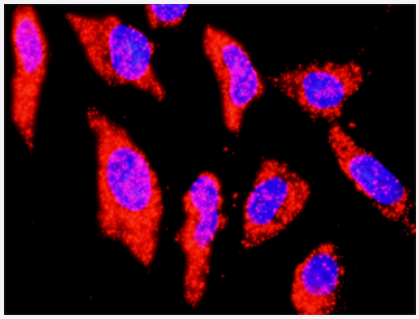
CYCS & BCL2L1 Protein Protein Interaction Antibody Pair

Catalog # DI0312 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between CYCS and BCL2L1. HeLa cells were stained with anti-CYCS rabbit purified polyclonal antibody 1:1200 and anti-BCL2L1 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 CYCS protein, and the other against the BCL2L1 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 CYCS and BCL2L1. HeLa cells were stained with anti-CYCS rabbit purified polyclonal antibody 1:1200 and anti-BCL2L1 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. CYCS rabbit purified polyclonal antibody (100 ug) 2. BCL2L1 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 — BCL2L1

Entrez GeneID	598
Gene Name	BCL2L1
Gene Alias	BCL-XL/S, BCL2L, BCLX, Bcl-X, DKFZp781P2092, bcl-xL, bcl-xS
Gene Description	BCL2-like 1
Omim ID	600039
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members for m hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide v ariety of cellular activities. The proteins encoded by this gene are located at the outer mitochondri al membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of r eactive oxygen species and release of cytochrome C by mitochondria, both of which are the pote nt inducers of cell apoptosis. Two alternatively spliced transcript variants, which encode distinct is oforms, have been reported. The longer isoform acts as an apoptotic inhibitor and the shorter for m acts as an apoptotic activator. [provided by RefSeq
Other Designations	OTTHUMP00000030550|OTTHUMP00000030551|OTTHUMP00000030553

Gene Info — CYCS

Entrez GeneID	54205
Gene Name	CYCS
Gene Alias	CYC, HCS
Gene Description	cytochrome c, somatic
Omim ID	123970
Gene Ontology	Hyperlink

Gene Summary	This gene encodes cytochrome c, a component of the electron transport chain in mitochondria. Th e heme group of cytochrome c accepts electrons from the b-c1 complex and transfers electrons to the cytochrome oxidase complex. Cytochrome c is also involved in initiation of apoptosis. Upon re lease of cytochrome c to the cytoplasm, the protein binds apoptotic protease activating factor whi ch activates the apoptotic initiator procaspase 9. Many cytochrome c pseudogenes exist, scatter ed throughout the human genome. [provided by RefSeq
Other Designations	cytochrome c

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Amyotrophic lateral sclerosis (ALS)
- Apoptosis
- Apoptosis
- Chronic myeloid leukemia
- Colorectal cancer
- Jak-STAT signaling pathway
- p53 signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Pathways in cancer
- Small cell lung cancer
- Small cell lung cancer

Disease

- Adenocarcinoma
- Alzheimer Disease
- Amnesia
- Cognition Disorders

- Colorectal Neoplasms
- Disease Progression
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hodgkin Disease
- Lymphoma
- Lymphoproliferative Disorders
- Multiple Sclerosis
- Neoplasm Metastasis
- Neuropsychological Tests
- Occupational Diseases
- Ovarian Neoplasms
- Prostatic Neoplasms
- Thrombocytopenia
- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome