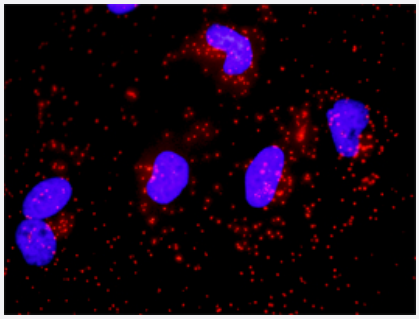
SKP1 & CTNNB1 Protein Protein Interaction Antibody Pair

Catalog # DI0120 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between SKP1 and CTNNB1. HeLa cells were stained with anti-SKP1 rabbit purified polyclonal antibody 1:1200 and anti-CTNNB1 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 SKP1 protein, and the other against the CTNNB1 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 SKP1 and CTNNB1. HeLa cells were stained with anti-SKP1 rabbit purified polyclonal antibody 1:1200 and anti-CTNNB1 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. SKP1 rabbit purified polyclonal antibody (100 ug) 2. CTNNB1 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 — CTNNB1

Entrez GeneID	1499
Gene Name	CTNNB1
Gene Alias	CTNNB, DKFZp686D02253, FLJ25606, FLJ37923
Gene Description	catenin (cadherin-associated protein), beta 1, 88kDa
Omim ID	114550 116806 132600 155255
Gene Ontology	Hyperlink
Gene Summary	Beta-catenin is an adherens junction protein. Adherens junctions (AJs; also called the zonula adherens) are critical for the establishment and maintenance of epithelial layers, such as those lining organ surfaces. AJs mediate adhesion between cells, communicate a signal that neighboring cells are present, and anchor the actin cytoskeleton. In serving these roles, AJs regulate normal cell growth and behavior. At several stages of embryogenesis, wound healing, and tumor cell metastasis, cells form and leave epithelia. This process, which involves the disruption and reestablishment of epithelial cell-cell contacts, may be regulated by the disassembly and assembly of AJs. AJs may also function in the transmission of the 'contact inhibition' signal, which instructs cells to stop dividing once an epithelial sheet is complete.[supplied by OMIM
Other Designations	OTTHUMP00000165222|OTTHUMP00000165223|catenin (cadherin-associated protein), beta 1 (88kD)|catenin beta-1

Gene Info — SKP1

Entrez GeneID	6500
Gene Name	SKP1
Gene Alias	EMC19, MGC34403, OCP-II, OCP2, SKP1A, TCEB1L, p19A
Gene Description	S-phase kinase-associated protein 1
Omim ID	601434
Gene Ontology	Hyperlink

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Summary	This gene encodes a component of SCF complexes, which are composed of this protein, cullin 1, a ring-box protein, and one member of the F-box family of proteins. This protein binds directly to t he F-box motif found in F-box proteins. SCF complexes are involved in the regulated ubiquitinatio n of specific protein substrates, which targets them for degradation by the proteosome. Specific F -box proteins recognize different target protein(s), and many specific SCF substrates have been i dentified including regulators of cell cycle progression and development. Studies have also chara cterized the protein as an RNA polymerase II elongation factor. Alternative splicing of this gene re sults in two transcript variants. A related pseudogene has been identified on chromosome 7. [prov ided by RefSeq
Other Designations	RNA polymerase II elongation factor-like protein OCP2|cyclin A/CDK2-associated p19|organ of C orti protein 2|transcription elongation factor B (SIII), polypeptide 1-like

Pathway

- Adherens junction
- Arrhythmogenic right ventricular cardiomyopathy (ARVC)
- Basal cell carcinoma
- Cell cycle
- Colorectal cancer
- Endometrial cancer
- Focal adhesion
- Leukocyte transendothelial migration
- Melanogenesis
- Pathogenic Escherichia coli infection - EHEC
- Pathways in cancer
- Prostate cancer
- TGF-beta signaling pathway
- Thyroid cancer
- Tight junction
- Ubiquitin mediated proteolysis
- Wnt signaling pathway

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Wnt signaling pathway

Disease

- Adenoma
- Adrenal Cortex Neoplasms
- Alzheimer disease
- Birth Weight
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cell Transformation
- Chromosome Aberrations
- Chromosome Deletion
- Cleft Lip
- Cleft Palate
- Cognition
- Colon cancer
- Colorectal Neoplasms
- Diabetes Mellitus
- Edema
- Endometrial Neoplasms
- Ependymoma
- Esophageal Neoplasms
- Fibroma
- Fibromatosis

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Fractures
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Head and Neck Neoplasms
- Kidney Failure
- Kidney Neoplasms
- Laryngeal Neoplasms
- Leukemia
- Liver Neoplasms
- Lung Neoplasms
- Meningeal Neoplasms
- Meningioma
- Microsatellite Instability
- Mouth Neoplasms
- Neoplasm Recurrence
- Neoplasms
- Obesity
- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic Neoplasms
- Pharyngeal Neoplasms
- Prostatic Neoplasms
- Pulmonary Disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Recurrence
- Spinal Fractures
- Stomach Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome
- Wilms Tumor

Copyright © 2023 Abnova Corporation. All Rights Reserved.