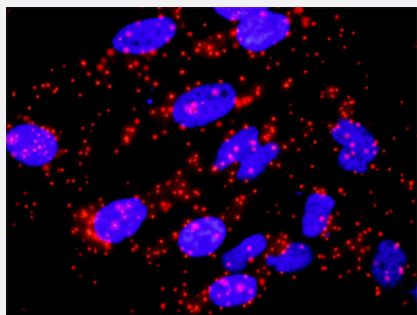


SKP1 & CACYBP Protein Protein Interaction Antibody Pair

Catalog # DI0077

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between SKP1 and CACYBP. HeLa cells were stained with anti-SKP1 rabbit purified polyclonal antibody 1:1200 and anti-CACYBP 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 CACYBP 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 CACYBP. HeLa cells were stained with anti-SKP1 rabbit purified polyclonal antibody 1:1200 and anti-CACYBP 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. SKP1 rabbit purified polyclonal antibody (100 ug)
2. CACYBP 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 — 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
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 the F-box motif found in F-box proteins. SCF complexes are involved in the regulated ubiquitination of specific protein substrates, which targets them for degradation by the proteasome. Specific F-box proteins recognize different target protein(s), and many specific SCF substrates have been identified including regulators of cell cycle progression and development. Studies have also characterized the protein as an RNA polymerase II elongation factor. Alternative splicing of this gene results in two transcript variants. A related pseudogene has been identified on chromosome 7. [provided by RefSeq]
Other Designations	RNA polymerase II elongation factor-like protein OCP2 cyclin A/CDK2-associated p19 organ of Corti protein 2 transcription elongation factor B (SIII), polypeptide 1-like

Gene Info — CACYBP

Entrez GeneID	27101
Gene Name	CACYBP
Gene Alias	GIG5, MGC87971, PNAS-107, RP1-102G20.6, S100A6BP, SIP
Gene Description	calcyclin binding protein
Omim ID	606186
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a calcyclin binding protein. It may be involved in calcium-dependent ubiquitination and subsequent proteosomal degradation of target proteins. It probably serves as a molecular bridge in ubiquitin E3 complexes and participates in the ubiquitin-mediated degradation of beta-catenin. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000032884|OTTHUMP00000032885|Siah-interacting protein (SIP)|growth-inhibiting gene 5 protein

Pathway

- [Cell cycle](#)
- [TGF-beta signaling pathway](#)
- [Ubiquitin mediated proteolysis](#)
- [Wnt signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Tobacco Use Disorder](#)