



# SZABO SCANDIC

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## Produktinformation



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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## CYCS & CASP9 Protein Protein Interaction Antibody Pair

Catalog # : DI0274

規格 : [ 1 Set ]

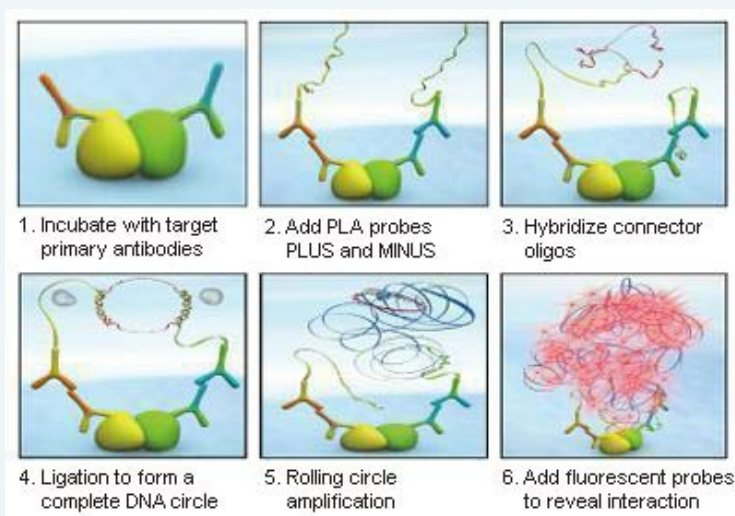
List All

### 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 CASP9 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

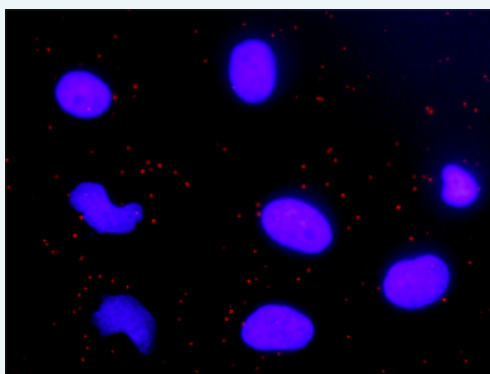
### Application Image

*In situ* Proximity Ligation Assay (Cell)



**Reactivity:** Human

**Quality Control Testing:** Protein protein interaction immunofluorescence result.



Representative image of Proximity Ligation Assay of protein-protein interactions between CYCS and CASP9. HeLa cells were stained with anti-CYCS rabbit purified polyclonal antibody 1:1200 and anti-CASP9 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 (20 ug)  
 2. CASP9 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.

MSDS:

 [Download](#)

### Publication Reference

1. [An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma.](#)  
Liu CH, Chen TC, Chau GY, Jan YH, Chen CH, Hsu CN, Lin KT, Juang YL, Lu PJ, Cheng HC, Chen MH, Chang CF, Ting YS, Kao CY, Hsiao M, Huang CY. Mol Cell Proteomics. 2013 Feb 8. [Epub ahead of print]

### Applications

#### *In situ* Proximity Ligation Assay (Cell)

[CASP9](#) [CYCS](#)

### Gene Information

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. The 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 release of cytochrome c to the cytoplasm, the protein binds apoptotic protease activating factor which activates the apoptotic initiator procaspase 9. Many cytochrome c pseudogenes exist, scattered throughout the human genome. [provided by RefSeq]

Other Designations: cytochrome c

### Gene Information

Entrez GeneID: [842](#)

Gene Name: CASP9

Gene Alias: APAF-3,APAF3,CASPASE-9c,ICE-LAP6,MCH6

Gene Description: caspase 9, apoptosis-related cysteine peptidase

Omim ID: [602234](#)

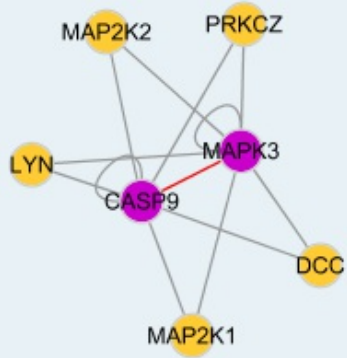
Gene Ontology: [Hyperlink](#)

**Gene Summary:** This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein is processed by caspase APAF1; this

step is thought to be one of the earliest in the caspase activation cascade. Alternative splicing results in two transcript variants which encode different isoforms. [provided by RefSeq]

**Other Designations:** ICE-like apoptotic protease  
6,OTTHUMP00000002322,OTTHUMP00000002323,OTTHUMP000000044594,apoptotic protease MCH-6,apoptotic protease activating factor 3,caspase 9,caspase 9, apoptosis-related cysteine protease

### Interactome



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