



# SZABO SCANDIC

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- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## FAS & RAP1A Protein Protein Interaction Antibody Pair

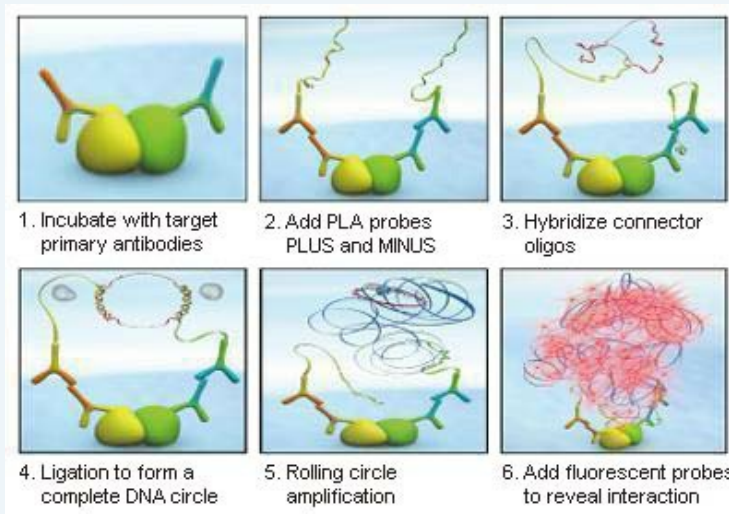
Catalog # : DI0508

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 FAS protein, and the other against the RAP1A protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

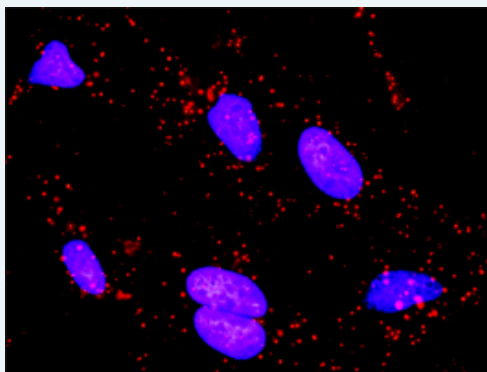


### Application Image

*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 FAS and RAP1A. HeLa cells were stained with anti-FAS rabbit purified polyclonal antibody 1:1200 and anti-RAP1A 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. FAS rabbit purified polyclonal antibody (20 ug)  
 2. RAP1A 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:

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## 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)

[FAS](#) [RAP1A](#)

## Gene Information

Entrez GeneID: [355](#)

Gene Name: FAS

Gene Alias: ALPS1A,APO-1,APT1,CD95,FAS1,FASTM,TNFRSF6

Gene Description: Fas (TNF receptor superfamily, member 6)

Omim ID: [134637](#), [601859](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells. At least eight alternatively spliced transcript variants have been described, some of which are candidates for nonsense-mediated decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full length isoform. [provided by RefSeq]

**Other Designations:** APO-1 cell surface antigen,CD95 antigen,Fas AMA,Fas antigen,OTTHUMP00000020045,OTTHUMP00000020046,OTTHUMP000020051,OTTHUMP00000059646,apoptosis antigen 1,tumor necrosis factor receptor superfamily member 6,tumor necrosis factor receptor superfamily, mem

## Gene Information

Entrez GeneID: [5906](#)

Gene Name: RAP1A

Gene Alias: KREV-1,KREV1,RAP1,SMGP21

Gene Description: RAP1A, member of RAS oncogene family

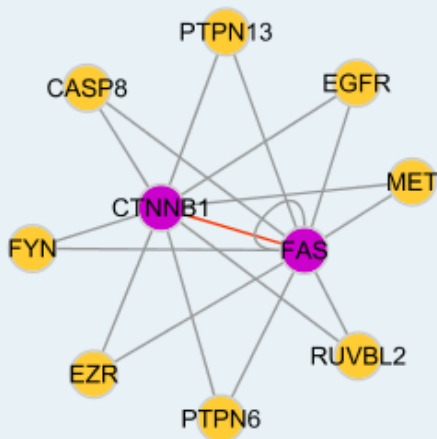
Omim ID: [179520](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** The product of this gene belongs to the family of RAS-related proteins. These proteins share approximately 50% amino acid identity with the classical RAS proteins and have numerous structural features in common. The most striking difference between RAP proteins and RAS proteins resides in their 61st amino acid: glutamine in RAS is replaced by threonine in RAP proteins. The product of this gene counteracts the mitogenic function of RAS because it can interact with RAS GAPs and RAF in a competitive manner. Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq]

**Other Designations:** OTTHUMP00000013740,OTTHUMP00000013741,OTTHUMP00000059089,RAS-related protein RAP1A,Ras-related protein Krev-1,Ras-related protein Rap-1A

### Interactome



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