



# SZABO SCANDIC

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## STAT1 & FOS Protein Protein Interaction Antibody Pair

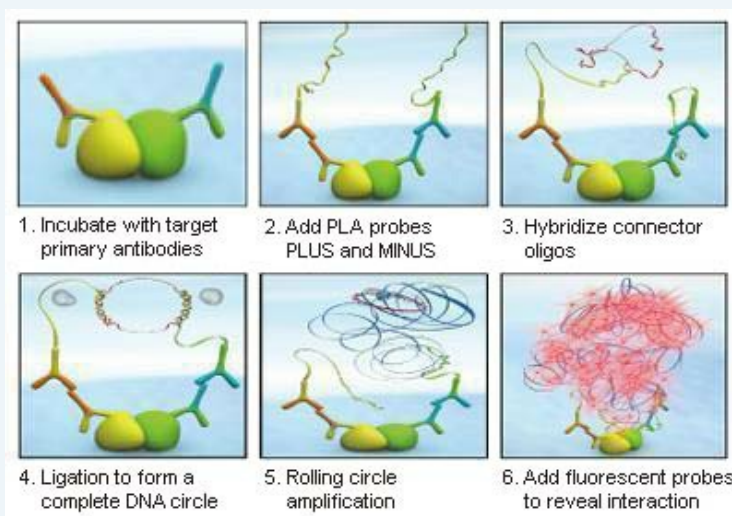
Catalog # : DI0426

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 STAT1 protein, and the other against the FOS protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

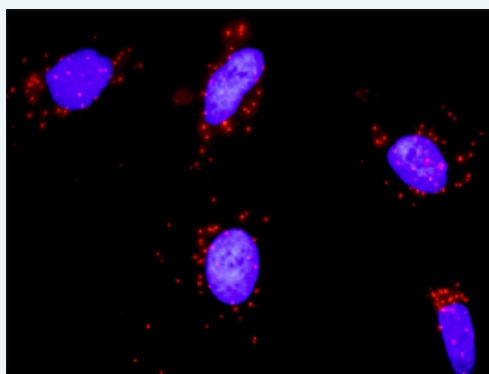


### Application Image

*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 STAT1 and FOS. HeLa cells were stained with anti-STAT1 rabbit purified polyclonal antibody 1:1200 and anti-FOS 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. STAT1 rabbit purified polyclonal antibody (20 ug)  
 2. FOS 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)

[FOS](#) [STAT1](#)

### Gene Information

Entrez GeneID: [6772](#)

Gene Name: STAT1

Gene Alias: DKFZp686B04100,ISGF-3,STAT91

Gene Description: signal transducer and activator of transcription 1, 91kDa

Omim ID: [209950](#), [600555](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq]

**Other Designations:** OTTHUMP00000165047,signal transducer and activator of transcription 1,signal transducer and activator of transcription-1,transcription factor ISGF-3 components p91/p84

### Gene Information

Entrez GeneID: [2353](#)

Gene Name: FOS

Gene Alias: AP-1,C-FOS

Gene Description: v-fos FBJ murine osteosarcoma viral oncogene homolog

Omim ID: [164810](#)

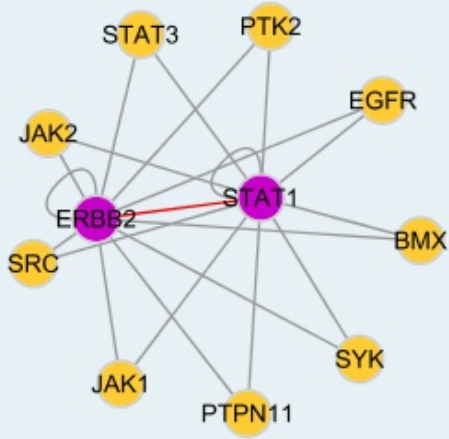
Gene Ontology: [Hyperlink](#)

**Gene Summary:** The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize

with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of the FOS gene has also been associated with apoptotic cell death. [provided by RefSeq]

**Other Designations:** FBJ murine osteosarcoma viral (v-fos) oncogene homolog (oncogene FOS),activator protein 1,cellular oncogene c-fos

### Interactome



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