



# SZABO SCANDIC

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## HSP90AB1 & NFKB1 Protein Protein Interaction Antibody Pair

Catalog # : DI0325

規格 : [ 1 Set ]

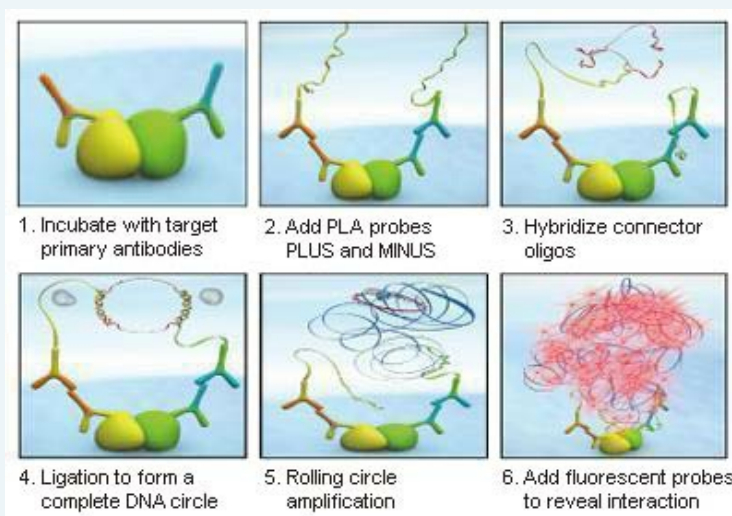
List All

### Specification

**Product Description:** This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the HSP90AB1 protein, and the other against the NFKB1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

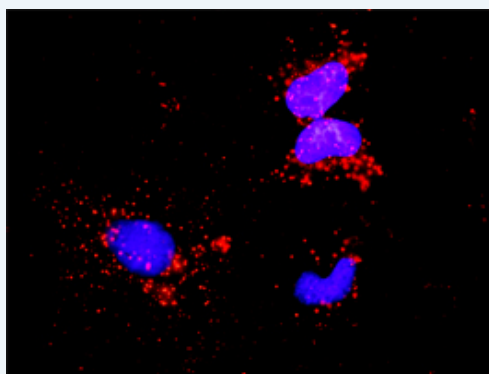
### Application Image

*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 HSP90AB1 and NFKB1. HeLa cells were stained with anti-HSP90AB1 rabbit purified polyclonal antibody 1:1200 and anti-NFKB1 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. HSP90AB1 rabbit purified polyclonal antibody (20 ug)  
 2. NFKB1 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)

[HSP90AB1](#) [NFKB1](#)

## Gene Information

Entrez GeneID: [3326](#)

Gene Name: HSP90AB1

Gene Alias: D6S182,FLJ26984,HSP90-BETA,HSP90B,HSPC2,HSPCB

Gene Description: heat shock protein 90kDa alpha (cytosolic), class B member 1

Omim ID: [140572](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. There are 2 major cytosolic HSP90 proteins, HSP90AA1 (MIM 140571), an inducible form, and HSP90AB1, a constitutive form. Other HSP90 proteins are found in endoplasmic reticulum (HSP90B1; MIM 191175) and mitochondria (TRAP1; MIM 606219) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM]

**Other Designations:** OTTHUMP00000016517,OTTHUMP00000016518,OTTHUMP00000016519,OTTHUMP00000039869,heat shock 90kD protein 1, beta,heat shock 90kDa protein 1, beta,heat shock protein beta

## Gene Information

Entrez GeneID: [4790](#)

Gene Name: NFKB1

Gene Alias: DKFZp686C01211,EBP-1,KBF1,MGC54151,NF-kappa-B,NFKB-p105,NFKB-p50,p105,p50

Gene Description: nuclear factor of kappa light polypeptide gene enhancer in B-cells 1

Omim ID: [164011](#)

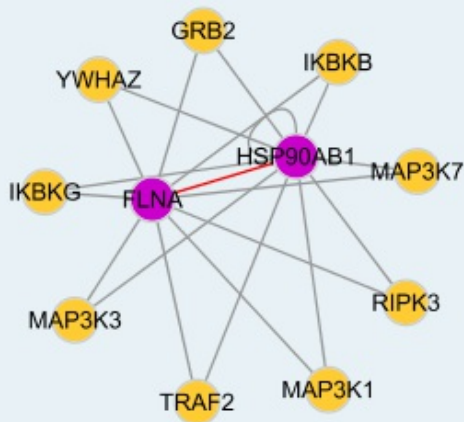
Gene Ontology: [Hyperlink](#)

**Gene Summary:** This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105

kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq

**Other Designations:** DNA binding factor KBF1,NF-kappabeta,nuclear factor NF-kappa-B p50 subunit,nuclear factor kappa-B DNA binding subunit,nuclear factor kappa-B, subunit 1

**Interactome 1**



**Interactome 2**

