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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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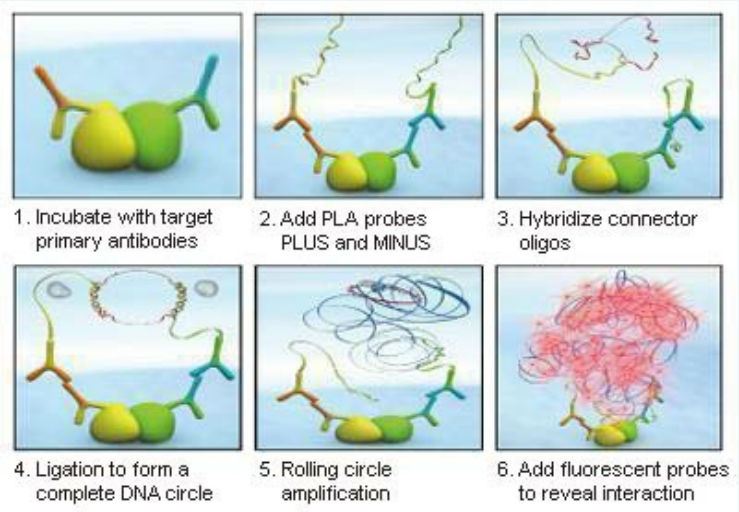
IKBKB & NFKB1 Protein Protein Interaction Antibody Pair

Catalog # : DI0249 **規格 :** [1 Set]

List All

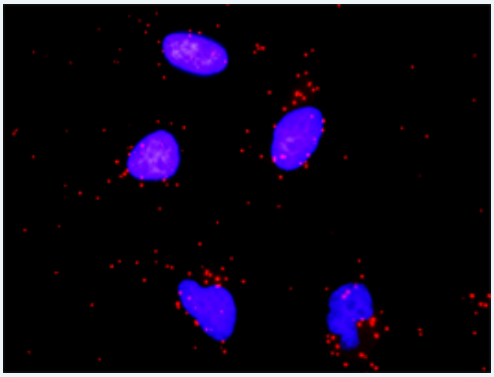
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the IKBKB protein, and the other against the NFKB1 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 IKBKB and NFKB1. HeLa cells were stained with anti-IKBKB 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. IKBKB 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 -

Application Image

In situ Proximity Ligation Assay (Cell)

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)**

IKBKB NFKB1

Gene Information

Entrez GeneID: 3551

Gene Name: IKBKB

Gene Alias: FLJ40509,IKK-beta,IKK2,IKKB,MGC131801,NFKBIKB

Gene Description: inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta

Omim ID: 603258

Gene Ontology: Hyperlink

Gene Summary: NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA (MIM 164014), or RELB (MIM 604758) to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008, or NFKBIB, MIM 604495), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).[supplied by OMIM

Other Designations: inhibitor of nuclear factor kappa B kinase beta subunit,nuclear factor NF-kappa-B inhibitor kinase 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

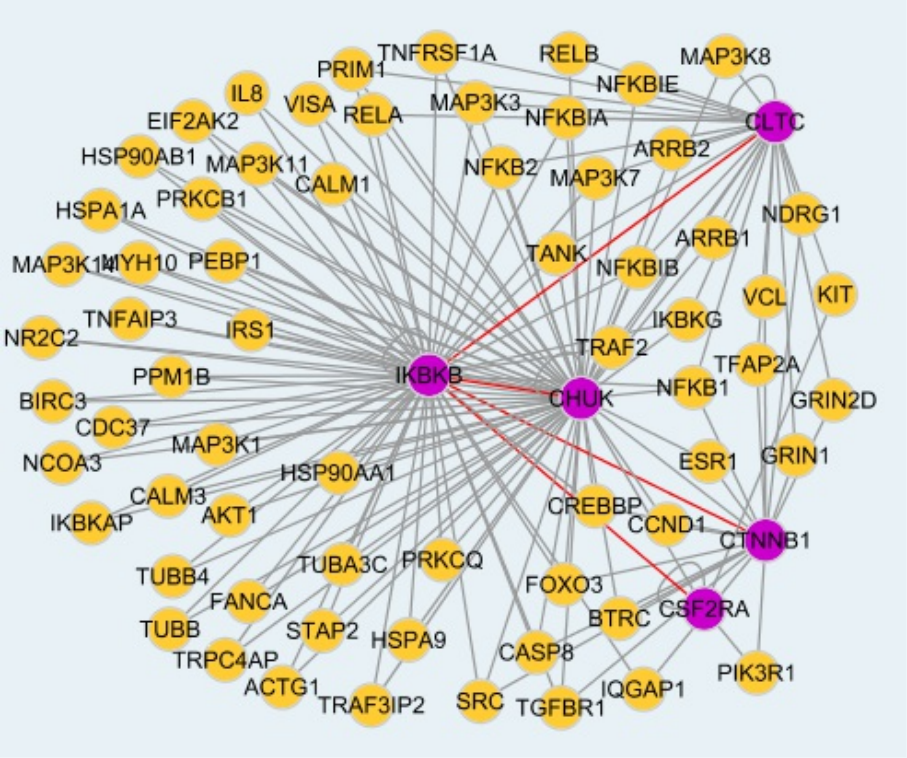
Gene Ontology: Hyperlink

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