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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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EGFR & HSPA1B Protein Protein Interaction Antibody Pair

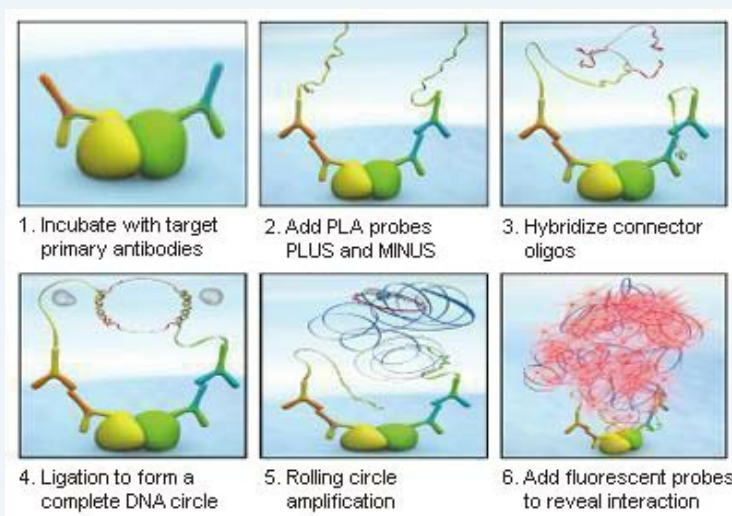
Catalog # : DI0418

規格 : [1 Set]

List All

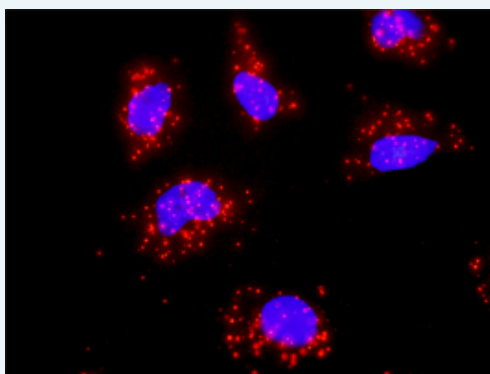
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the EGFR protein, and the other against the HSPA1B 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 EGFR and HSPA1B. HeLa cells were stained with anti-EGFR rabbit purified polyclonal antibody 1:1200 and anti-HSPA1B 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. EGFR rabbit purified polyclonal antibody (20 ug)
 2. HSPA1B 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)

[EGFR](#) [HSPA1B](#)

Gene Information

Entrez GeneID: [1956](#)

Gene Name: EGFR

Gene Alias: ERBB,ERBB1,HER1,PIG61,mENA

Gene Description: epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian)

Omim ID: [131550](#), [211980](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. [provided by RefSeq]

Other Designations: avian erythroblastic leukemia viral (v-erb-b) oncogene homolog,cell growth inhibiting protein 40,cell proliferation-inducing protein 61,epidermal growth factor receptor

Gene Information

Entrez GeneID: [3304](#)

Gene Name: HSPA1B

Gene Alias: FLJ54328,HSP70-1B,HSP70-2,HSPA1A

Gene Description: heat shock 70kDa protein 1B

Omim ID: [603012](#)

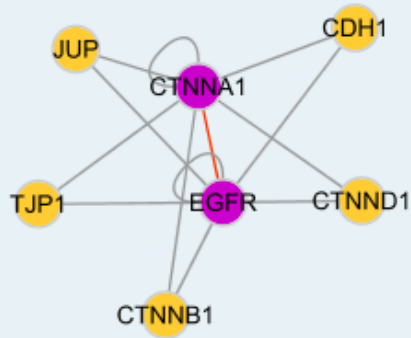
Gene Ontology: [Hyperlink](#)

Gene Summary: This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding

protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins. [provided by RefSeq]

Other Designations: OTTHUMP00000029288,heat shock 70kD protein 1B,heat shock 70kDa protein 1A

Interactome



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