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Zuschläge

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- Expressversand

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MAPK3 & BRAF Protein Protein Interaction Antibody Pair

Catalog # : DI0237

規格 : [1 Set]

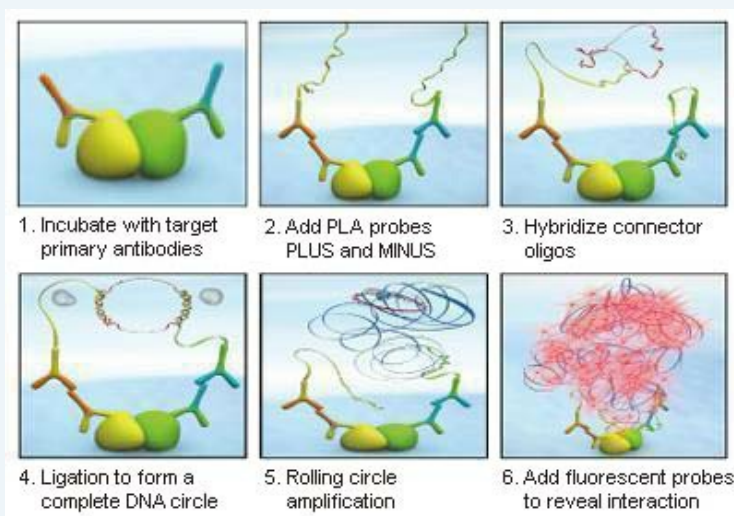
List All

Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the MAPK3 protein, and the other against the BRAF protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

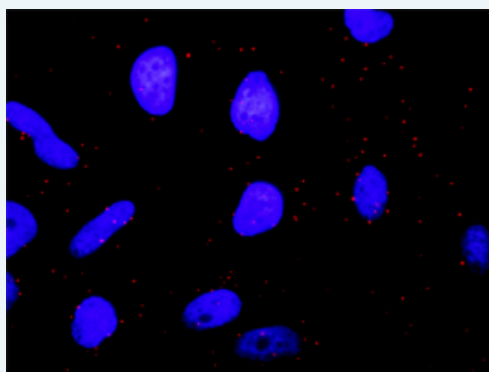
Application Image

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 MAPK3 and BRAF. HeLa cells were stained with anti-MAPK3 rabbit purified polyclonal antibody 1:1200 and anti-BRAF 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. MAPK3 rabbit purified polyclonal antibody (20 ug)
 2. BRAF 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 -

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)**[BRAF](#) [MAPK3](#)**Gene Information****Entrez GeneID:** [5595](#)**Gene Name:** MAPK3**Gene Alias:** ERK1,HS44KDAP,HUMKER1A,MGC20180,P44ERK1,P44MAPK,PRKM3**Gene Description:** mitogen-activated protein kinase 3**Omim ID:** [601795](#)**Gene Ontology:** [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. [provided by RefSeq]

Other Designations: OTTHUMP00000174538,OTTHUMP00000174540,extracellular signal-regulated kinase 1,extracellular signal-related kinase 1

Gene Information**Entrez GeneID:** [673](#)**Gene Name:** BRAF**Gene Alias:** B-RAF1,BRAF1,FLJ95109,MGC126806,MGC138284,RAFB1**Gene Description:** v-raf murine sarcoma viral oncogene homolog B1**Omim ID:** [115150](#), [164757](#), [211980](#)**Gene Ontology:** [Hyperlink](#)

Gene Summary: This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart

Other Designations: 94 kDa B-raf protein,B-Raf proto-oncogene serine/threonine-protein kinase (p94),Murine sarcoma viral (v-raf) oncogene homolog B1