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Zuschläge

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- Gefahrgutzuschlag
- Expressversand

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GSTP1 & MAPK8 Protein Protein Interaction Antibody Pair

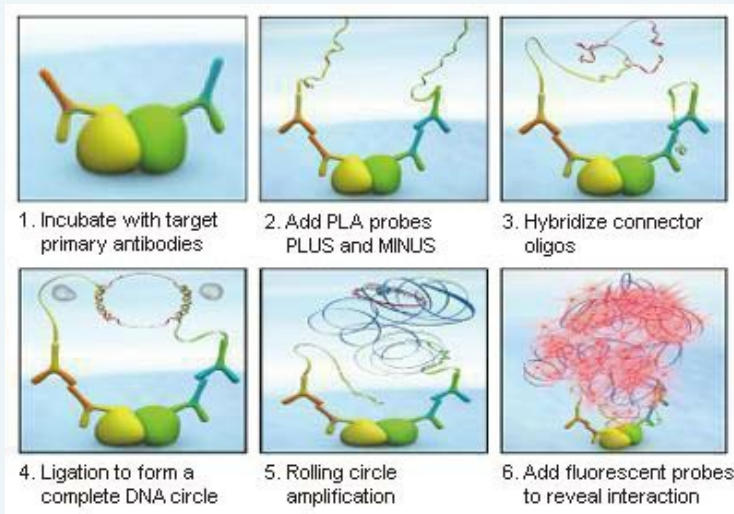
Catalog # : DI0457

規格 : [1 Set]

List All

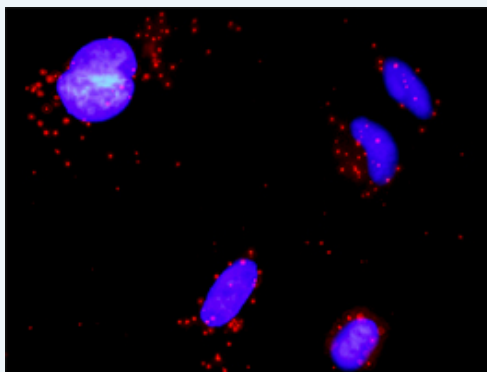
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the GSTP1 protein, and the other against the MAPK8 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.



Reactivity: Human

Quality Control Testing: Protein protein interaction immunofluorescence result.



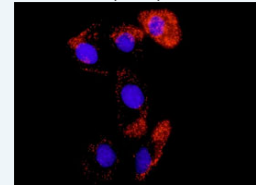
Representative image of Proximity Ligation Assay of protein-protein interactions between GSTP1 and MAPK8. HeLa cells were stained with anti-GSTP1 rabbit purified polyclonal antibody 1:1200 and anti-MAPK8 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction 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. GSTP1 rabbit purified polyclonal antibody (20 ug)
 2. MAPK8 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 -

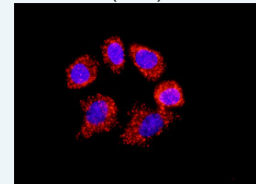
Application Image

In situ Proximity Ligation Assay (Cell)



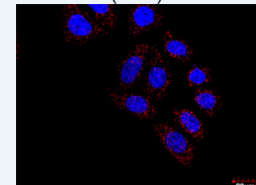
[enlarge](#)

In situ Proximity Ligation Assay (Cell)



[enlarge](#)

In situ Proximity Ligation Assay (Cell)



[enlarge](#)

MSDS:

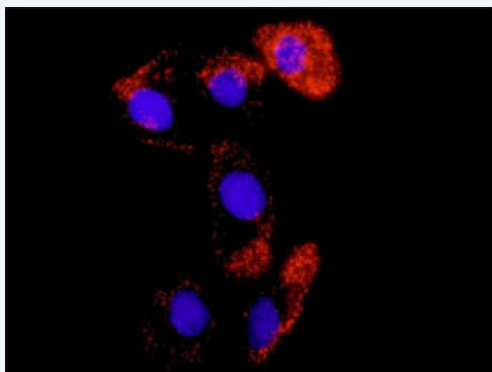


Publication Reference

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]

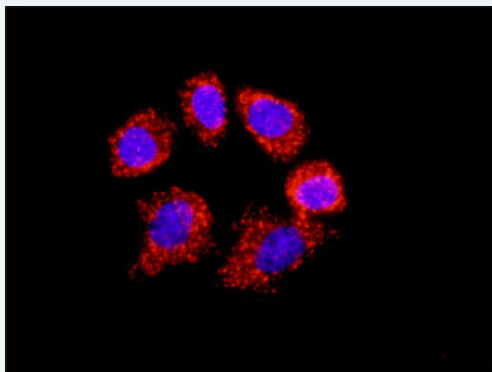
Applications

In situ Proximity Ligation Assay (Cell)



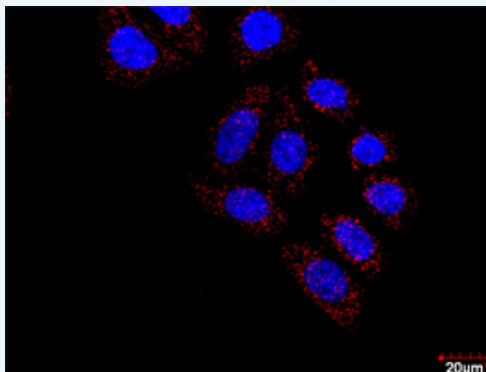
Representative image of Proximity Ligation Assay of protein-protein interactions between GSTP1 and MAPK8. A-549 cells were stained with anti-GSTP1 rabbit purified polyclonal antibody 1:100 and anti-MAPK8 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

In situ Proximity Ligation Assay (Cell)



Representative image of Proximity Ligation Assay of protein-protein interactions between GSTP1 and MAPK8. HT-29 cells were stained with anti-GSTP1 rabbit purified polyclonal antibody 1:100 and anti-MAPK8 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

In situ Proximity Ligation Assay (Cell)



Confocal microscopy image of Proximity Ligation Assay of protein-protein interactions between GSTP1 and MAPK8. HT-29 cells were stained with anti-GSTP1 rabbit purified

polyclonal antibody 1:100 and anti-MAPK8 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

[GSTP1](#) [MAPK8](#)

Gene Information

Entrez GeneID: [2950](#)

Gene Name: GSTP1

Gene Alias: DFN7,FAEES3,GST3,PI

Gene Description: glutathione S-transferase pi 1

Omim ID: [134660](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases. [provided by RefSeq]

Other Designations: OTTHUMP00000174659,deafness, X-linked 7,fatty acid ethyl ester synthase III,glutathione transferase

Gene Information

Entrez GeneID: [5599](#)

Gene Name: MAPK8

Gene Alias: JNK,JNK1,JNK1A2,JNK21B1/2,PRKM8,SAPK1

Gene Description: mitogen-activated protein kinase 8

Omim ID: [601158](#)

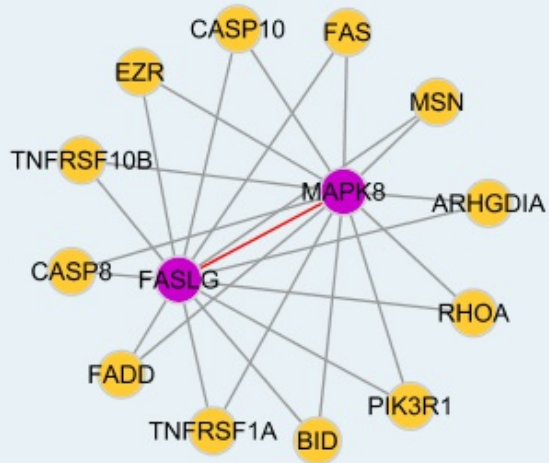
Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

Other JNK1 alpha protein kinase,JNK1 beta protein kinase,JUN N-terminal

Designations: kinase,OTTHUMP00000019552,OTTHUMP00000019555,OTTHUMP00000019556,OTTHUMP00000019558,c-Jun N-terminal kinase 1,mitogen-activated protein kinase 8 isoform JNK1 alpha1,mitogen-activated protein

Interactome



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