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MAP3K14 & CASP3 Protein Protein Interaction Antibody Pair

Catalog # : DI0597

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 MAP3K14 protein, and the other against the CASP3 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

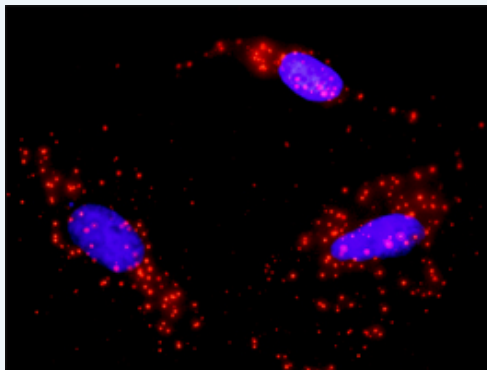
Application Image

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 MAP3K14 and CASP3. HeLa cells were stained with anti-MAP3K14 rabbit purified polyclonal antibody 1:1200 and anti-CASP3 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. MAP3K14 rabbit purified polyclonal antibody (20 ug)
 2. CASP3 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)

[CASP3](#) [MAP3K14](#)

Gene Information

Entrez GeneID: [9020](#)

Gene Name: MAP3K14

Gene Alias: FTDCR1B,HS,HSNIK,NIK

Gene Description: mitogen-activated protein kinase kinase kinase 14

Omim ID: [604655](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes mitogen-activated protein kinase kinase kinase 14, which is a serine/threonine protein-kinase. This kinase binds to TRAF2 and stimulates NF-kappaB activity. It shares sequence similarity with several other MAPKK kinases. It participates in an NF-kappaB-inducing signalling cascade common to receptors of the tumour-necrosis/nerve-growth factor (TNF/NGF) family and to the interleukin-1 type-I receptor. [provided by RefSeq]

Other Designations: serine/threonine protein-kinase

Gene Information

Entrez GeneID: [836](#)

Gene Name: CASP3

Gene Alias: CPP32, CPP32B, SCA-1

Gene Description: caspase 3, apoptosis-related cysteine peptidase

Omim ID: [600636](#)

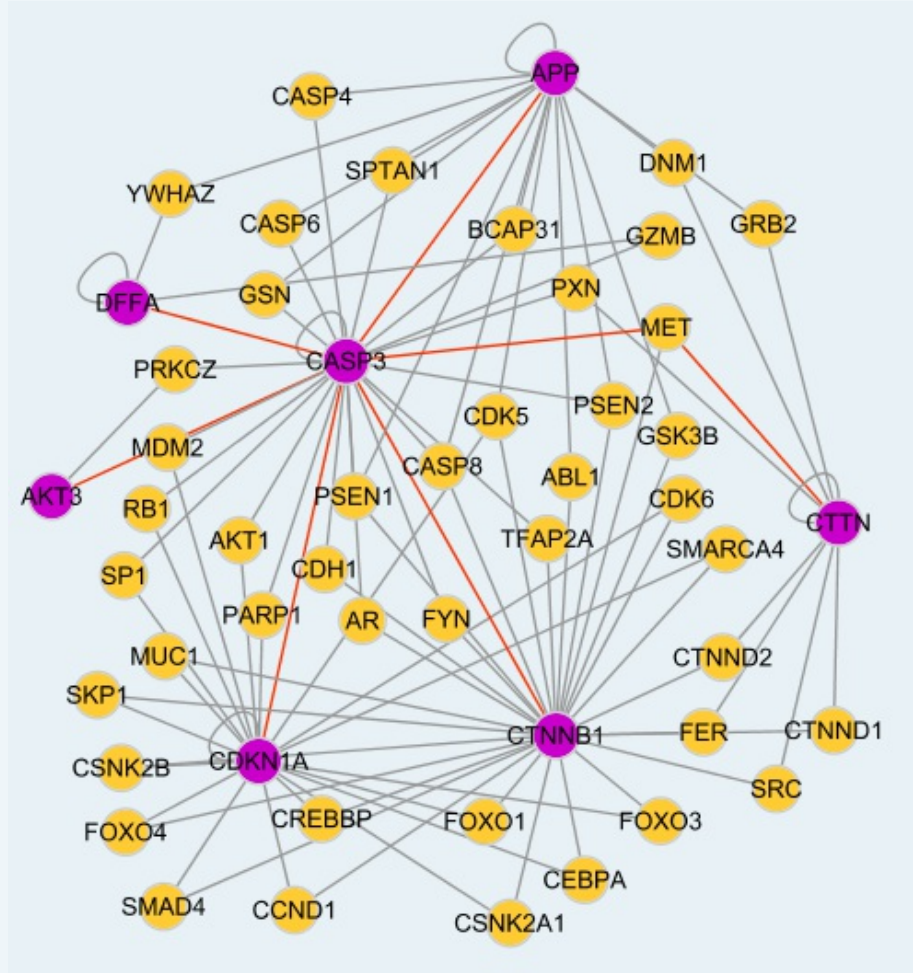
Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 6, 7 and 9, and the protein itself is processed by

caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of this gene results in two transcript variants that encode the same protein.
[provided by RefSeq]

Other Designations: OTTHUMP00000165054, PARP cleavage protease, SREBP cleavage activity 1, Yama, apopain, caspase 3, caspase 3, apoptosis-related cysteine protease, cysteine protease CPP32, procaspase 3

Interactome



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