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MAP2K3 & TAOK2 Protein Protein Interaction Antibody Pair

Catalog # : DI0513

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 MAP2K3 protein, and the other against the TAOK2 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

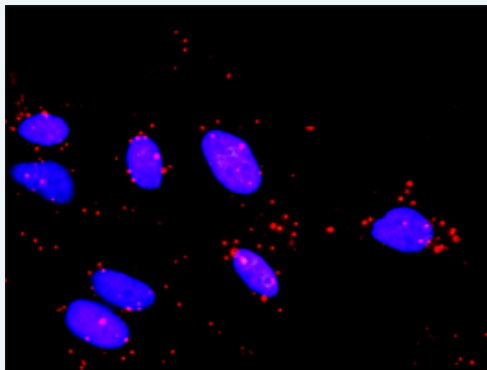
Application Image

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 MAP2K3 and TAOK2. HeLa cells were stained with anti-MAP2K3 rabbit purified polyclonal antibody 1:1200 and anti-TAOK2 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. MAP2K3 rabbit purified polyclonal antibody (20 ug)
 2. TAOK2 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)

[MAP2K3](#) [TAOK2](#)

Gene Information

Entrez GeneID: [5606](#)

Gene Name: MAP2K3

Gene Alias: MAPKK3,MEK3,MKK3,PRKMK3

Gene Description: mitogen-activated protein kinase kinase 3

Omim ID: [602315](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersinia pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene. [provided by RefSeq]

Other Designations: MAP kinase kinase 3,MAPK/ERK kinase 3,OTTHUMP00000166044,dual specificity mitogen activated protein kinase kinase 3

Gene Information

Entrez GeneID: [9344](#)

Gene Name: TAOK2

Gene Alias: KIAA0881,MAP3K17,PSK,PSK1,TAO1,TAO2

Gene Description: TAO kinase 2

Gene Ontology: [Hyperlink](#)

Other Designations: prostate derived STE20-like kinase PSK,thousand and one amino acid protein kinase

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