



# SZABO SCANDIC

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## Produktinformation



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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## MAP3K5 & ERN1 Protein Protein Interaction Antibody Pair

Catalog # : DI0169

規格 : [ 1 Set ]

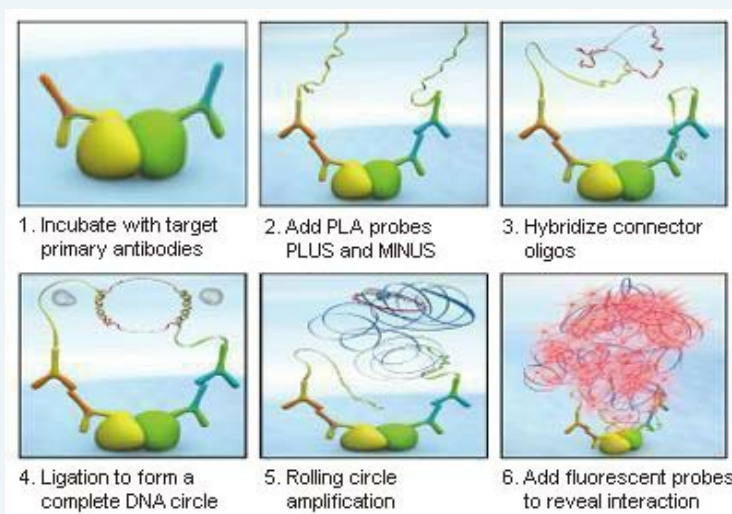
List All

### Specification

**Product Description:** This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the MAP3K5 protein, and the other against the ERN1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

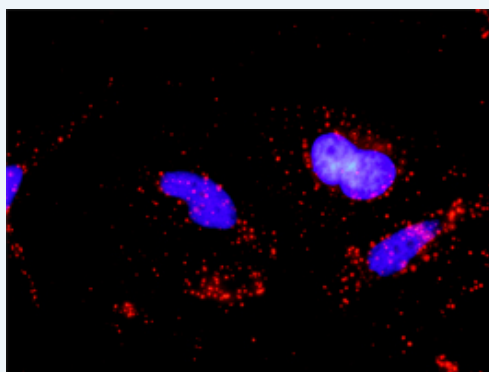
### Application Image

*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 MAP3K5 and ERN1. HeLa cells were stained with anti-MAP3K5 rabbit purified polyclonal antibody 1:1200 and anti-ERN1 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. MAP3K5 rabbit purified polyclonal antibody (20 ug)  
 2. ERN1 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)**[ERN1](#) [MAP3K5](#)**Gene Information****Entrez GeneID:** [4217](#)**Gene Name:** MAP3K5**Gene Alias:** ASK1,MAPKKK5,MEKK5**Gene Description:** mitogen-activated protein kinase kinase kinase 5**Omim ID:** [602448](#)**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq]

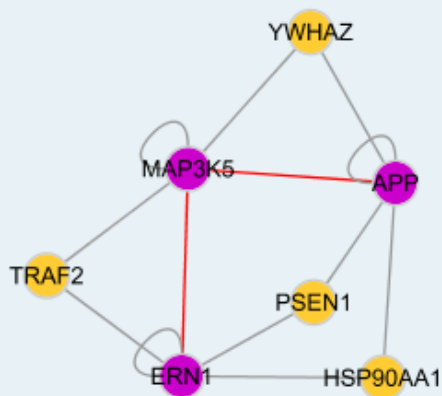
**Other Designations:** MAP/ERK kinase kinase 5,MAPK/ERK kinase kinase 5,OTTHUMP00000017275,apoptosis signal regulating kinase

**Gene Information****Entrez GeneID:** [2081](#)**Gene Name:** ERN1**Gene Alias:** FLJ30999,IRE1,IRE1P,MGC163277,MGC163279**Gene Description:** endoplasmic reticulum to nucleus signaling 1**Omim ID:** [604033](#)**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is the ER to nucleus signalling 1 protein, a human homologue of the yeast Ire1 gene product. This protein possesses intrinsic kinase activity and an endoribonuclease activity and it is important in altering gene expression as a response to endoplasmic reticulum-based stress signals. [provided by RefSeq]

**Other Designations:** ER to nucleus signalling 1, endoplasmic reticulum to nucleus signalling 1, inositol-requiring 1, protein kinase/endoribonuclease

#### Interactome 1



#### Interactome 2

