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- Expressversand

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## RPS6KA3 & MAPK1 Protein Protein Interaction Antibody Pair

Catalog # : DI0326

規格 : [ 1 Set ]

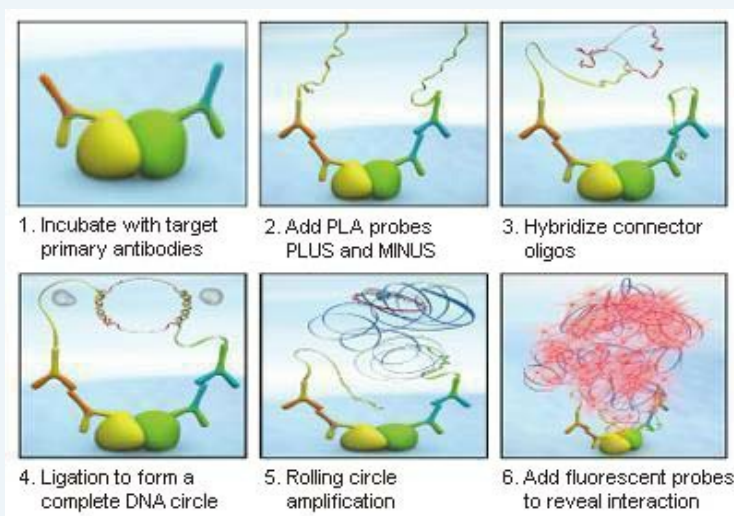
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### Specification

**Product Description:** This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the RPS6KA3 protein, and the other against the MAPK1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

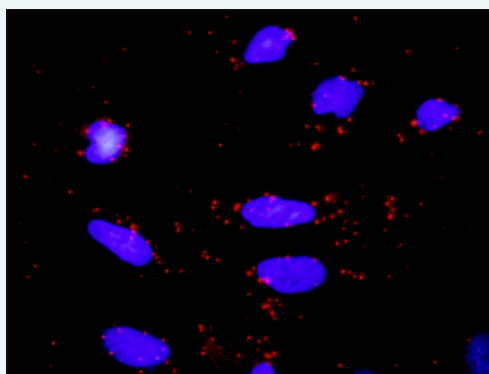
### Application Image

*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 RPS6KA3 and MAPK1. HeLa cells were stained with anti-RPS6KA3 rabbit purified polyclonal antibody 1:1200 and anti-MAPK1 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. RPS6KA3 rabbit purified polyclonal antibody (20 ug)  
 2. MAPK1 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)**[MAPK1](#) [RPS6KA3](#)**Gene Information****Entrez GeneID:** [6197](#)**Gene Name:** RPS6KA3**Gene Alias:** CLS,HU-3,ISPK-1,MAPKAPK1B,MRX19,RSK,RSK2,S6K-alpha3,p90-RSK2,pp90RSK2**Gene Description:** ribosomal protein S6 kinase, 90kDa, polypeptide 3**Omim ID:** [300075](#), [303600](#)**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Mutations in this gene have been associated with Coffin-Lowry syndrome (CLS). [provided by RefSeq]

**Other Designations:** OTTHUMP00000023036,insulin-stimulated protein kinase 1,mental retardation, X-linked 19,ribosomal protein S6 kinase, 90kD, polypeptide 3

**Gene Information****Entrez GeneID:** [5594](#)**Gene Name:** MAPK1**Gene Alias:** ERK,ERK2,ERT1,MAPK2,P42MAPK,PRKM1,PRKM2,p38,p40,p41,p41mapk**Gene Description:** mitogen-activated protein kinase 1**Omim ID:** [176948](#)**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 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. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene. [provided by RefSeq]

**Other**  
**Designations:** OTTHUMP00000174492,extracellular signal-regulated kinase 2,extracellular signal-regulated kinase-2,mitogen-activated protein kinase 2,protein tyrosine kinase ERK2

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