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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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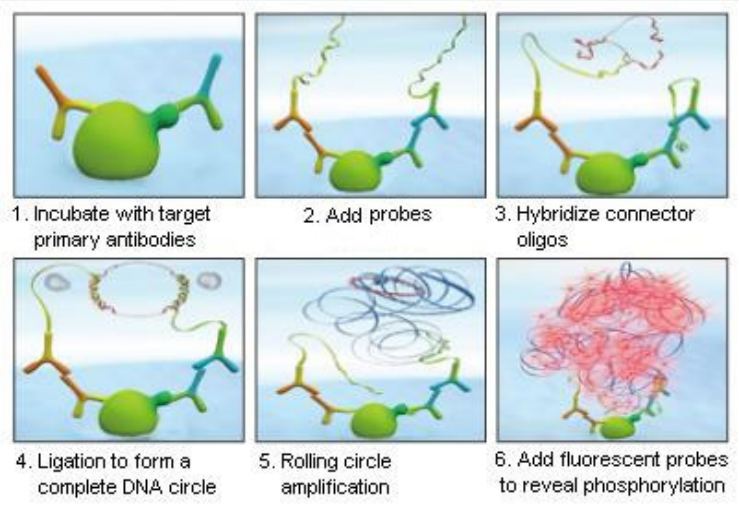
MAP2K3(Phospho S189) & MAP2K3 Protein Phosphorylation Antibody Pair

Catalog # : DP0084 **規格 :** [1 Set]

List All

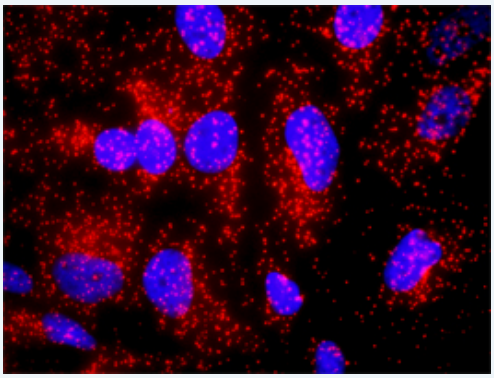
Specification

Product Description: This protein phosphorylation antibody pair set comes with two antibodies, one against the MAP2K3 protein, and the other against the specific S189 phosphorylated site of MAP2K3 for use in *in situ* Proximity Ligation Assay. See Publication Reference below.



Reactivity: Human

Quality Control Testing: Dual recognition immunofluorescence result.



Representative image of Proximity Ligation Assay of protein phosphorylation. HeLa cells were stained with dual recognition antibody pair set, rabbit affinity purified polyclonal antibody 1:1200 and mouse purified polyclonal antibody 1:50. Each red dot represents one single phosphorylated protein. 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. Phospho-MAP2K3 S189 rabbit affinity purified polyclonal antibody (20 ul)
With 0.09% sodium azide.
2. MAP2K3 mouse purified polyclonal antibody (40 ug)
In 1x PBS, pH 7.2
*Reagents are sufficient for at least 30-50 assays using recommended protocols.

Application Image

In situ Proximity Ligation Assay (Cell)

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.

Publication Reference

1. In situ detection of phosphorylated platelet-derived growth factor receptor beta using a generalized proximity ligation method.
   Jarvius M, Paulsson J, Weibrecht I, Leuchowius KJ, Andersson AC, Wahlby C, Gullberg M,Botling J, Sjoblom T, Markova B, Ostman A, Landegren U, Soderberg O.
   Mol Cell Proteomics. 2007 Sep;6(9):1500-9. Epub 2007 Jun 12.
2. Direct observation of individual endogenous protein complexes in situ by proximity ligation.
   Soderberg O, Gullberg M, Jarvius M , Ridderstrale K, Leuchowius KJ, Jarvius J, Wester K, Hydbring P, Bahram F, Larsson LG, and Landegren U.
   Nat Methods. 2006 Dec;3(12):995-1000. Epub 2006 Oct 29.
3. Cytokine detection by antibody-based proximity ligation.
   Gullberg M, Gustafsdottir SM, Schallmeiner E, Jarvius J, Bjarnegard M, Betsholtz C, Landegren U, and Fredriksson S.
   Proc Natl Acad Sci U S A. 2004 Jun 1;101(22):8420-4. Epub 2004 May 21.
4. Protein detection using proximity-dependent DNA ligation assays.
   Fredriksson S, GullbergM, Jarvius J, Olsson C, Pietras K, Gustafsdottir SM, Ostman A, and Landegren U.
   Nat Biotechnol. 2002 May;20(5):473-7.
5. Highly specific detection of phosphorylated proteins by Duolink
   Mats Gullberg and Ann-Catrin Andersson
   Nature Methods 6. 2009

Applications

***In situ* Proximity Ligation Assay (Cell)**

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 Yersina 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 Pathway

Amyotrophic lateral sclerosis (ALS) Fc epsilon RI signaling pathway
GnRH signaling pathway MAPK signaling pathway Toll-like receptor signaling pathway