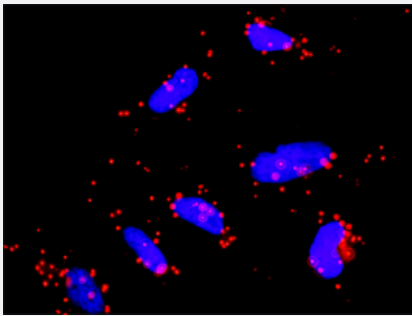


# MAP3K3 & FLNA Protein Protein Interaction Antibody Pair

Catalog # DI0548

Size 1 Set

## Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between MAP3K3 and FLNA. HeLa cells were stained with anti-MAP3K3 rabbit purified polyclonal antibody 1:1200 and anti-FLNA 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.

## Specification

### Product Description

This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the MAP3K3 protein, and the other against the FLNA protein for use in [in situ Proximity Ligation Assay](#). [See Publication Reference below](#).

### Reactivity

Human

### Quality Control Testing

Protein protein interaction immunofluorescence result.

Representative image of Proximity Ligation Assay of protein-protein interactions between MAP3K3 and FLNA. HeLa cells were stained with anti-MAP3K3 rabbit purified polyclonal antibody 1:1200 and anti-FLNA 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. MAP3K3 rabbit purified polyclonal antibody (100 ug)
2. FLNA 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.

## Applications

- *In situ* Proximity Ligation Assay (Cell)

## Gene Info — FLNA

Entrez GeneID	<a href="#">2316</a>
Gene Name	FLNA
Gene Alias	ABP-280, ABPX, DKFZp434P031, FLN, FLN1, FMD, MNS, NHBP, OPD, OPD1, OPD2
Gene Description	filamin A, alpha (actin binding protein 280)
Omim ID	<a href="#">300017</a> <a href="#">300049</a> <a href="#">300537</a> <a href="#">304120</a> <a href="#">309350</a> <a href="#">311300</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	The protein encoded by this gene is an actin-binding protein that crosslinks actin filaments and links actin filaments to membrane glycoproteins. The encoded protein is involved in remodeling the cytoskeleton to effect changes in cell shape and migration. This protein interacts with integrins, transmembrane receptor complexes, and second messengers. Defects in this gene are a cause of several syndromes, including periventricular nodular heterotopias (PVNH1, PVNH4), otopalatodigital syndromes (OPD1, OPD2), frontometaphyseal dysplasia (FMD), Melnick-Needles syndrome (MNS), and X-linked congenital idiopathic intestinal pseudoobstruction (CIIPX). Two transcript variants encoding different isoforms have been found for this gene
Other Designations	OTTHUMP00000024320 actin-binding protein 280 filamin 1 filamin A, alpha

## Gene Info — MAP3K3

Entrez GeneID	<a href="#">4215</a>
Gene Name	MAP3K3
Gene Alias	MAPKKK3, MEKK3
Gene Description	mitogen-activated protein kinase kinase kinase 3
Omim ID	<a href="#">602539</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

This gene product is a 626-amino acid polypeptide that is 96.5% identical to mouse Mekk3. Its catalytic domain is closely related to those of several other kinases, including mouse Mekk2, tobacco NPK, and yeast Ste11. Northern blot analysis revealed a 4.6-kb transcript that appears to be ubiquitously expressed. This protein directly regulates the stress-activated protein kinase (SAPK) and extracellular signal-regulated protein kinase (ERK) pathways by activating SEK and MEK1/2 respectively; it does not regulate the p38 pathway. In cotransfection assays, it enhanced transcription from a nuclear factor kappa-B (NFkB)-dependent reporter gene, consistent with a role in the SAPK pathway. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

**Other Designations**

MAP/ERK kinase kinase 3|MAPK/ERK kinase kinase 3

**Pathway**

- [Focal adhesion](#)
- [GnRH signaling pathway](#)
- [MAPK signaling pathway](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)

**Disease**

- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)