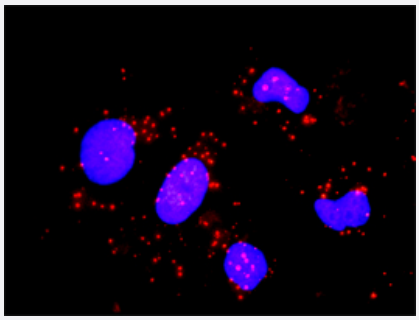
MAP2K6 & RELA Protein Protein Interaction Antibody Pair

Catalog # DI0514 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between MAP2K6 and RELA. HeLa cells were stained with anti-MAP2K6 rabbit purified polyclonal antibody 1:1200 and anti-RELA 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 MAP2K6 protein, and the other against the RELA 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 MAP2K6 and RELA. HeLa cells were stained with anti-MAP2K6 rabbit purified polyclonal antibody 1:1200 and anti-RELA 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 Products	Antibody pair set content: 1. MAP2K6 rabbit purified polyclonal antibody (100 ug) 2. RELA 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- *In situ* Proximity Ligation Assay (Cell)

Gene Info — MAP2K6

Entrez GeneID	5608
Gene Name	MAP2K6
Gene Alias	MAPKK6, MEK6, MKK6, PRKMK6, SAPKK3
Gene Description	mitogen-activated protein kinase kinase 6
Omim ID	601254
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the dual specificity protein kinase family, which functions as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein phosphorylates and activates p38 MAP kinase in response to inflammatory cytokines or environmental stress. As an essential component of p38 MAP kinase mediated signal transduction pathway, this gene is involved in many cellular processes such as stress induced cell cycle arrest, transcription activation and apoptosis. [provided by RefSeq
Other Designations	protein kinase, mitogen-activated, kinase 6 (MAP kinase kinase 6)

Gene Info — RELA

Entrez GeneID	5970
Gene Name	RELA
Gene Alias	MGC131774, NFKB3, p65
Gene Description	v-rel reticuloendotheliosis viral oncogene homolog A (avian)
Omim ID	164014
Gene Ontology	Hyperlink

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Summary	NFKB1 (MIM 164011) or NFKB2 (MIM 164012) is bound to REL (MIM 164910), RELA, or RELB (MIM 604758) to form the NFKB complex. The p50 (NFKB1)/p65 (RELA) heterodimer is the most abundant form of NFKB. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, MIM 164008 or NFKBIB, MIM 604495), which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, MIM 600664, or IKBKB, MIM 603258) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NFKB complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine).[supplied by OMIM
Other Designations	nuclear factor of kappa light polypeptide gene enhancer in B-cells 3|v-rel avian reticuloendotheliosis viral oncogene homolog A (nuclear factor of kappa light polypeptide gene enhancer in B-cells 3 (p65))|v-rel reticuloendotheliosis viral oncogene homolog

Pathway

- Acute myeloid leukemia
- Adipocytokine signaling pathway
- Amyotrophic lateral sclerosis (ALS)
- Apoptosis
- B cell receptor signaling pathway
- Chemokine signaling pathway
- Chronic myeloid leukemia
- Epithelial cell signaling in Helicobacter pylori infection
- Fc epsilon RI signaling pathway
- GnRH signaling pathway
- MAPK signaling pathway
- MAPK signaling pathway
- Neurotrophin signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Prostate cancer
- Small cell lung cancer

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- T cell receptor signaling pathway
- Toll-like receptor signaling pathway
- Toll-like receptor signaling pathway

Disease

- Arthritis
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Cardiovascular Diseases
- Diabetes Mellitus
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Edema
- Edema
- Genetic Predisposition to Disease
- Hematologic Diseases
- HIV Infections
- Hodgkin Disease
- Huntington disease
- Liver Cirrhosis
- Lymphoproliferative Disorders
- Multiple Myeloma
- Occupational Diseases
- Testicular Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Waldenstrom Macroglobulinemia
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.