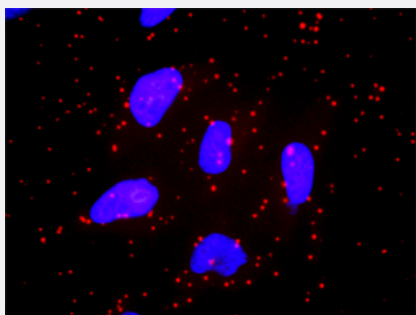


RXRA & RELA Protein Protein Interaction Antibody Pair

Catalog # DI0284

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between RXRA and RELA. HeLa cells were stained with anti-RXRA 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 RXRA 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 RXRA and RELA. HeLa cells were stained with anti-RXRA 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 Product

Antibody pair set content:
1. RXRA 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

- *In situ* Proximity Ligation Assay (Cell)

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
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

Gene Info — RXRA

Entrez GeneID	6256
Gene Name	RXRA
Gene Alias	FLJ00280, FLJ00318, FLJ16020, FLJ16733, MGC102720, NR2B1
Gene Description	retinoid X receptor, alpha
Omim ID	180245
Gene Ontology	Hyperlink

Gene Summary

Retinoid X receptors (RXRs) and retinoic acid receptors (RARs), are nuclear receptors that mediate the biological effects of retinoids by their involvement in retinoic acid-mediated gene activation. These receptors exert their action by binding, as homodimers or heterodimers, to specific sequences in the promoters of target genes and regulating their transcription. The protein encoded by this gene is a member of the steroid and thyroid hormone receptor superfamily of transcriptional regulators. [provided by RefSeq]

Other Designations

OTTHUMP00000022510

Pathway

- [Acute myeloid leukemia](#)
- [Adipocytokine signaling pathway](#)
- [Adipocytokine signaling pathway](#)
- [Apoptosis](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Non-small cell lung cancer](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Pathways in cancer](#)
- [PPAR signaling pathway](#)
- [Prostate cancer](#)
- [Small cell lung cancer](#)
- [Small cell lung cancer](#)
- [T cell receptor signaling pathway](#)

- [Thyroid cancer](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Adenoma](#)
- [Alcoholism](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bile Duct Neoplasms](#)
- [Bipolar Disorder](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)

- [Disease Susceptibility](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Edema](#)
- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hematologic Diseases](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemia](#)
- [Hyperlipidemias](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lymphoproliferative Disorders](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Multiple Myeloma](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)

- [Obesity](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Testicular Neoplasms](#)
- [Tobacco Use Disorder](#)
- [Tonsillitis](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)
- [Werner syndrome](#)