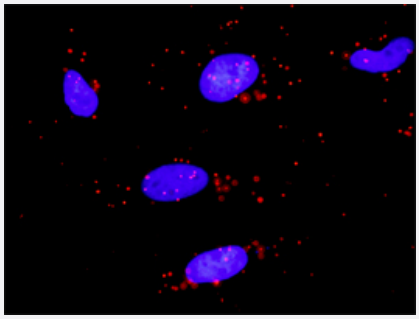
TRAF2 & ZBTB16 Protein Protein Interaction Antibody Pair

Catalog # DI0439 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between TRAF2 and ZBTB16. HeLa cells were stained with anti-TRAF2 rabbit purified polyclonal antibody 1:1200 and anti-ZBTB16 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 TRAF2 protein, and the other against the ZBTB16 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 TRAF2 and ZBTB16. HeLa cells were stained with anti-TRAF2 rabbit purified polyclonal antibody 1:1200 and anti-ZBTB16 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. TRAF2 rabbit purified polyclonal antibody (100 ug) 2. ZBTB16 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 — TRAF2

Entrez GeneID	7186
Gene Name	TRAF2
Gene Alias	MGC:45012, TRAP, TRAP3
Gene Description	TNF receptor-associated factor 2
Omim ID	601895
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF receptor associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from members of the TNF receptor superfamily. This protein directly interacts with TNF receptors, and forms a heterodimeric complex with TRAF1. This protein is required for TNF-alpha-mediated activation of MAPK8/JNK and NF-kappaB. The protein complex formed by this protein and TRAF1 interacts with the inhibitor-of-apoptosis proteins (IAPs), and functions as a mediator of the anti-apoptotic signals from TNF receptors. The interaction of this protein with TRADD, a TNF receptor associated apoptotic signal transducer, ensures the recruitment of IAPs for the direct inhibition of caspase activation. BIRC2/c-IAP1, an apoptosis inhibitor possessing ubiquitin ligase activity, can unbiquitinate and induce the degradation of this protein, and thus potentiate TNF-induced apoptosis. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of only one transcript has been determined. [provided by RefSeq
Other Designations	OTTHUMP00000022625|OTTHUMP00000064745|tumor necrosis factor type 2 receptor associated protein 3

Gene Info — ZBTB16

Entrez GeneID	7704
Gene Name	ZBTB16
Gene Alias	PLZF, ZNF145
Gene Description	zinc finger and BTB domain containing 16
Omim ID	176797

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the Krueppel C2H2-type zinc-finger protein family and encodes a zinc finger transcription factor that contains nine Kruppel-type zinc finger domains at the carboxyl terminus. This protein is located in the nucleus, is involved in cell cycle progression, and interacts with a histone deacetylase. Specific instances of aberrant gene rearrangement at this locus have been associated with acute promyelocytic leukemia (APL). Alternate transcriptional splice variants have been characterized. [provided by RefSeq
Other Designations	Kruppel-like zinc finger protein|promyelocytic leukemia zinc finger protein|zinc finger protein 145 (Kruppel-like, expressed in promyelocytic leukemia)

Pathway

- Acute myeloid leukemia
- Adipocytokine signaling pathway
- Apoptosis
- MAPK signaling pathway
- Pathways in cancer
- Pathways in cancer
- Small cell lung cancer

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Cardiovascular Diseases
- Connective Tissue Diseases
- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus
- Ductus Arteriosus
- Edema

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Edema
- Fetal Diseases
- Genetic Predisposition to Disease
- Heart Defects
- Hematologic Diseases
- HIV Infections
- Hodgkin Disease
- Infant
- Infection
- Inflammation
- Leukemia
- Lymphoma
- Lymphoproliferative Disorders
- Metabolic Syndrome X
- Multiple Myeloma
- Musculoskeletal Diseases
- Neoplasms
- Occupational Diseases
- Osteoporosis
- Pregnancy Complications
- Premature Birth
- Retinopathy of Prematurity
- Skin Diseases
- Tobacco Use Disorder
- Waldenstrom Macroglobulinemia
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.