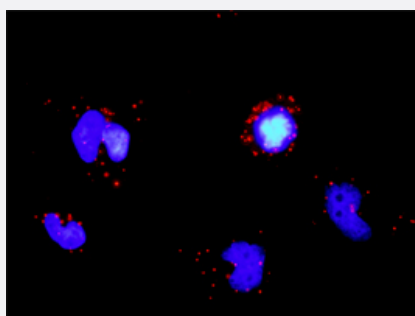


TRAF5 & TRAF3 Protein Protein Interaction Antibody Pair

Catalog # DI0413

Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between TRAF5 and TRAF3. HeLa cells were stained with anti-TRAF5 rabbit purified polyclonal antibody 1:1200 and anti-TRAF3 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 TRAF5 protein, and the other against the TRAF3 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 TRAF5 and TRAF3. HeLa cells were stained with anti-TRAF5 rabbit purified polyclonal antibody 1:1200 and anti-TRAF3 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. TRAF5 rabbit purified polyclonal antibody (100 ug)
2. TRAF3 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 — TRAF3

Entrez GeneID [7187](#)

Gene Name TRAF3

Gene Alias CAP-1, CD40bp, CRAF1, LAP1

Gene Description TNF receptor-associated factor 3

Omim ID [601896](#)

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 (TNFR) superfamily. This protein participates in the signal transduction of CD40, a TNFR family member important for the activation of the immune response. This protein is found to be a critical component of the lymphotoxin-beta receptor (LTbetaR) signaling complex, which induces NF-kappaB activation and cell death initiated by LTbeta ligation. Epstein-Barr virus encoded latent infection membrane protein-1 (LMP1) can interact with this and several other members of the TRAF family, which may be essential for the oncogenic effects of LMP1. Three alternatively spliced transcript variants encoding two distinct isoforms have been reported. [provided by RefSeq]

Other Designations CD40 associated protein 1|CD40 binding protein|CD40 receptor associated factor 1|LMP1 associated protein

Gene Info — TRAF5

Entrez GeneID [7188](#)

Gene Name TRAF5

Gene Alias MGC:39780, RNF84

Gene Description TNF receptor-associated factor 5

Omim ID [602356](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The scaffold protein encoded by this gene is a member of the tumor necrosis factor receptor-associated factor (TRAF) protein family and contains a meprin and TRAF homology (MATH) domain, a RING-type zinc finger, and two TRAF-type zinc fingers. TRAF proteins are associated with, and mediate signal transduction from members of the TNF receptor superfamily. This protein is one of the components of a multiple protein complex which binds to tumor necrosis factor (TNF) receptor cytoplasmic domains and mediates TNF-induced activation. Alternate transcriptional splice variants have been characterized. [provided by RefSeq]

Other Designations

OTTHUMP00000035055|OTTHUMP00000035056|RING finger protein 84

Pathway

- [Pathways in cancer](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)
- [Small cell lung cancer](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Alzheimer disease](#)
- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)

- [Hepatitis C](#)
- [HIV Infections](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Metabolic Syndrome X](#)
- [Metabolic Syndrome X](#)
- [Multiple Myeloma](#)
- [Neoplasms](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Osteoporosis](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)