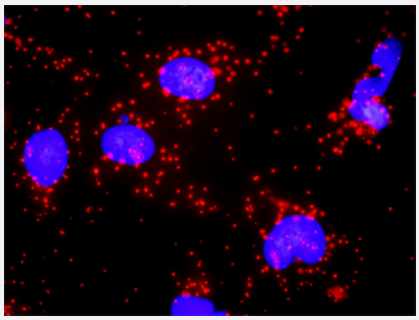
FADD & BID Protein Protein Interaction Antibody Pair

Catalog # DI0074 Size 1 Set

Applications



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

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- *In situ* Proximity Ligation Assay (Cell)

Gene Info — BID

Entrez GeneID	637
Gene Name	BID
Gene Alias	FP497, MGC15319, MGC42355
Gene Description	BH3 interacting domain death agonist
Omim ID	601997
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist B CL2. The encoded protein is a member of the BCL-2 family of cell death regulators. It is a mediat or of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded prote in, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c releas e. Multiple alternatively spliced transcript variants have been found, but the full-length nature of so me variants has not been defined. [provided by RefSeq
Other Designations	BH3-interacting domain death agonist|BID isoform ES(1b)|BID isoform L(2)|BID isoform Si6|Hum an BID coding sequence|OTTHUMP00000196197|apoptic death agonist|desmocollin type 4

Gene Info — FADD

Entrez GeneID	8772
Gene Name	FADD
Gene Alias	GIG3, MGC8528, MORT1
Gene Description	Fas (TNFRSF6)-associated via death domain
Omim ID	602457
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is an adaptor molecule that interacts with various cell surface receptors and mediates cell apoptotic signals. Through its C-terminal death domain, this protein can be recruited by TNFRSF6/Fas-receptor, tumor necrosis factor receptor, TNFRSF25, and TNFSF10/TRAIL-receptor, and thus it participates in the death signaling initiated by these receptors. Interaction of this protein with the receptors unmasks the N-terminal effector domain of this protein, which allows it to recruit caspase-8, and thereby activate the cysteine protease cascade. Knockout studies in mice also suggest the importance of this protein in early T cell development. [provided by RefSeq
Other Designations	Fas-associated via death domain|Fas-associating death domain-containing protein|Fas-associating protein with death domain|growth-inhibiting gene 3 protein|mediator of receptor-induced toxicity

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Apoptosis
- Apoptosis
- Natural killer cell mediated cytotoxicity
- p53 signaling pathway
- Pathways in cancer
- Pathways in cancer
- Toll-like receptor signaling pathway

Disease

- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Clubfoot
- Colorectal Neoplasms

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- Diabetes Mellitus
- Diabetic Nephropathies
- Disease Progression
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hodgkin Disease
- Kidney Failure
- Lupus Erythematosus
- Lymphatic Metastasis
- Lymphoproliferative Disorders
- Multiple Myeloma
- Neoplasm Metastasis
- Occupational Diseases
- Stomach Neoplasms
- Tobacco Use Disorder
- Waldenstrom Macroglobulinemia
- Werner syndrome

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