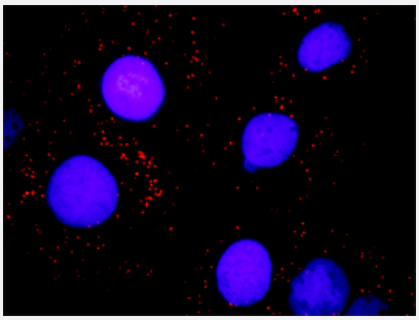
SMARCB1 & BAZ1B Protein Protein Interaction Antibody Pair

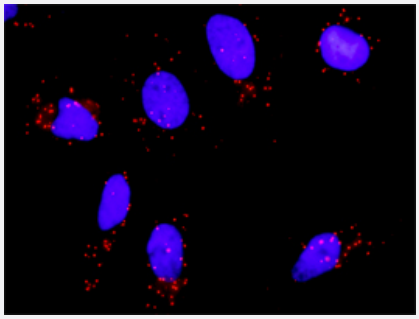
Catalog # DI0189 Size 1 Set

Applications



In situ Proximity Ligation Assay (Cell)

Representative image of Proximity Ligation Assay of protein-protein interactions between SMARCB1 and BAZ1B. Huh7 cells were stained with anti-SMARCB1 rabbit purified polyclonal antibody 1:1200 and anti-BAZ1B mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Representative image of Proximity Ligation Assay of protein-protein interactions between SMARCB1 and BAZ1B. HeLa cells were stained with anti-SMARCB1 rabbit purified polyclonal antibody 1:1200 and anti-BAZ1B 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 SMARCB1 protein, and the other against the BAZ1B 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 SMARCB1 and BAZ1B. HeLa cells were stained with anti-SMARCB1 rabbit purified polyclonal antibody 1:1200 and anti-BAZ1B 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.

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Supplied Products	Antibody pair set content: 1. SMARCB1 rabbit purified polyclonal antibody (100 ug) 2. BAZ1B 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 tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- *In situ* Proximity Ligation Assay (Cell)

  Representative image of Proximity Ligation Assay of protein-protein interactions between SMARCB1 and BAZ1B. Huh7 cells were stained with anti-SMARCB1 rabbit purified polyclonal antibody 1:1200 and anti-BAZ1B mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — SMARCB1

Entrez GeneID	6598
Gene Name	SMARCB1
Gene Alias	BAF47, INI1, RDT, SNF5, SNF5L1, Sfh1p, Snr1, hSNFS
Gene Description	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, membe r 1
Omim ID	601607
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is part of a complex that relieves repressive chromatin structure s, allowing the transcriptional machinery to access its targets more effectively. The encoded nucle ar protein may also bind to and enhance the DNA joining activity of HIV-1 integrase. This gene ha s been found to be a tumor suppressor, and mutations in it have been associated with malignant r habdoid tumors. Two transcript variants encoding different isoforms have been found for this gene . [provided by RefSeq
Other Designations	integrase interactor 1|malignant rhabdoid tumor suppressor|sucrose nonfermenting, yeast, homol og-like 1

Gene Info — BAZ1B

Entrez GeneID	9031

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Gene Name	BAZ1B
Gene Alias	WBSCR10, WBSCR9, WSTF
Gene Description	bromodomain adjacent to zinc finger domain, 1B
Omim ID	605681
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the bromodomain protein family. The bromodomain is a structural motif characteristic of proteins involved in chromatin-dependent regulation of transcription. This gene is deleted in Williams-Beuren syndrome, a developmental disorder caused by deletion of multiple genes at 7q11.23. [provided by RefSeq
Other Designations	Williams-Beuren syndrome chromosome region 10|Williams-Beuren syndrome chromosome region 9|transcription factor WSTF

Disease

- Asthma
- Cardiovascular Diseases
- Cardiovascular Diseases
- Diabetes Mellitus
- Diabetes Mellitus
- Edema
- Edema
- Genetic Predisposition to Disease
- Hyperlipoproteinemias
- Hypertriglyceridemia
- Meningeal Neoplasms
- Meningioma
- Pancreatic cancer
- Pancreatic Neoplasms
- Rhabdoid Tumor

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