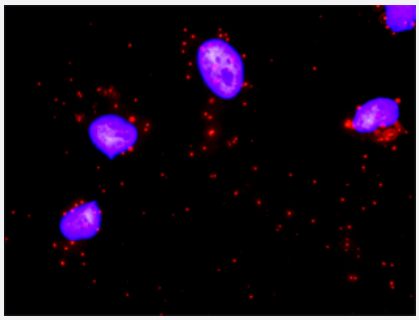
PIAS2 & PIAS1 Protein Protein Interaction Antibody Pair

Catalog # DI0331 Size 1 Set

Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between PIAS2 and PIAS1. HeLa cells were stained with anti-PIAS2 rabbit purified polyclonal antibody 1:1200 and anti-PIAS1 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 PIAS2 protein, and the other against the PIAS1 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 PIAS2 and PIAS1. HeLa cells were stained with anti-PIAS2 rabbit purified polyclonal antibody 1:1200 and anti-PIAS1 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. PIAS2 rabbit purified polyclonal antibody (100 ug) 2. PIAS1 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 — PIAS1

Entrez GeneID	8554
Gene Name	PIAS1
Gene Alias	DDXBP1, GBP, GU/RH-II, MGC141878, MGC141879, ZMIZ3
Gene Description	protein inhibitor of activated STAT, 1
Omim ID	603566
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the mammalian PIAS [protein inhibitor of activated STAT-1 (signal transducer and activator of transcription-1)] family. This member contains a putative zinc-binding motif and a highly acidic region. It inhibits STAT1-mediated gene activation and the DNA binding activity, binds to Gu protein/RNA helicase II/DEAD box polypeptide 21, and interacts with androgen receptor (AR). It functions in testis as a nuclear receptor transcriptional coregulator and may have a role in AR initiation and maintenance of spermatogenesis. [provided by RefSeq
Other Designations	AR interacting protein|DEAD/H (Asp-Glu-Ala-Asp/His) box binding protein 1|protein inhibitor of activated STAT-1|zinc finger, MIZ-type containing 3

Gene Info — PIAS2

Entrez GeneID	9063
Gene Name	PIAS2
Gene Alias	MGC102682, MIZ1, PIASX, PIASX-ALPHA, PIASX-BETA, SIZ2, ZMIZ4, miz
Gene Description	protein inhibitor of activated STAT, 2
Omim ID	603567
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein involved in the regulation of transcription factors involved in MAP kinase signaling. The symbol MIZ1 has also been associated with ZBTB17 which is a different gene located on chromosome 1. Two alternatively spliced transcripts encoding different isoforms have been described. [provided by RefSeq
Other Designations	Msx-interacting-zinc finger|protein inhibitor of activated STAT X|zinc finger, MIZ-type containing 4

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Pathway

- Jak-STAT signaling pathway
- Jak-STAT signaling pathway
- Pathways in cancer
- Pathways in cancer
- Small cell lung cancer
- Small cell lung cancer
- Ubiquitin mediated proteolysis
- Ubiquitin mediated proteolysis

Disease

- Multiple Sclerosis

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