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- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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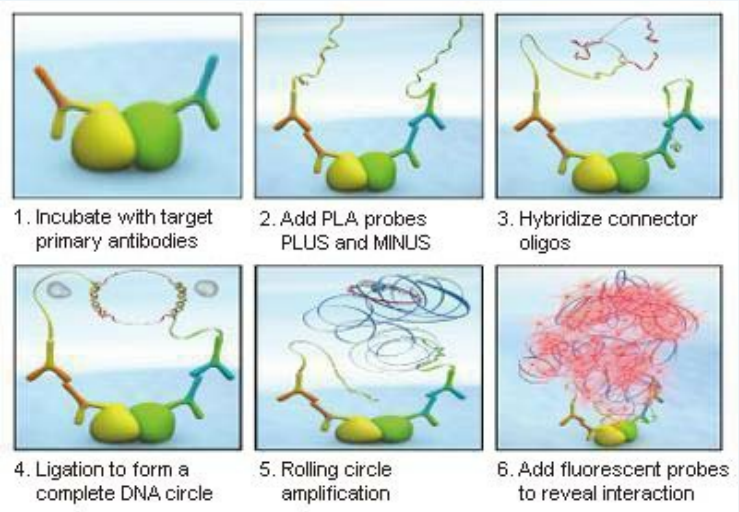
HDAC2 & HIF1A Protein Protein Interaction Antibody Pair

Catalog # : DI0598 **規格 :** [1 Set]

List All

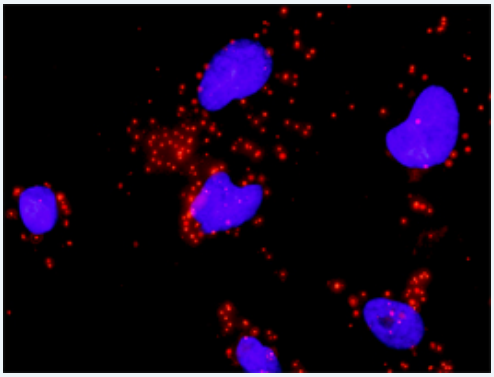
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the HDAC2 protein, and the other against the HIF1A protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.



Reactivity: Human

Quality Control Testing: Protein protein interaction immunofluorescence result.



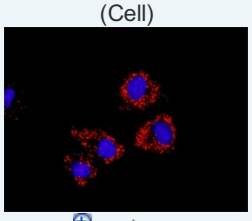
Representative image of Proximity Ligation Assay of protein-protein interactions between HDAC2 and HIF1A. HeLa cells were stained with anti-HDAC2 rabbit purified polyclonal antibody 1:1200 and anti-HIF1A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction 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. HDAC2 rabbit purified polyclonal antibody (20 ug)
2. HIF1A 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 -

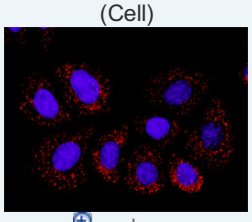
Application Image

In situ Proximity Ligation Assay (Cell)



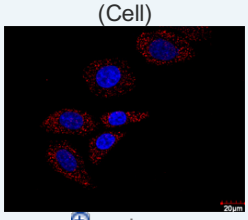
enlarge

In situ Proximity Ligation Assay (Cell)



enlarge

In situ Proximity Ligation Assay (Cell)



enlarge

20°C storage immediately after use.

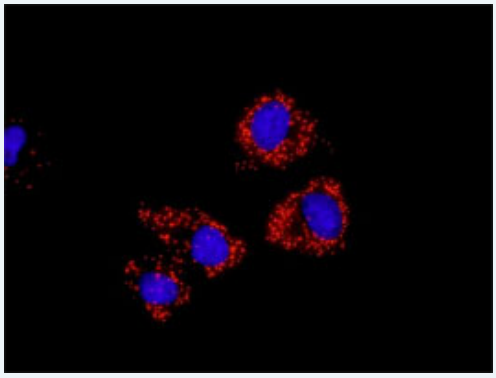
MSDS: Download

Publication Reference

1. An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma.
   Liu CH, Chen TC, Chau GY, Jan YH, Chen CH, Hsu CN, Lin KT, Juang YL, Lu PJ, Cheng HC, Chen MH, Chang CF, Ting YS, Kao CY, Hsiao M, Huang CY. Mol Cell Proteomics. 2013 Feb 8. [Epub ahead of print]

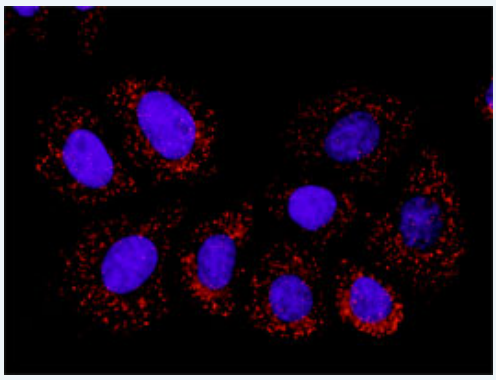
Applications

***In situ* Proximity Ligation Assay (Cell)**



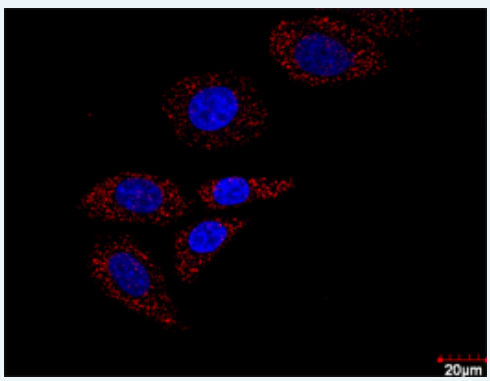
Representative image of Proximity Ligation Assay of protein-protein interactions between HDAC2 and HIF1A. A-549 cells were stained with anti-HDAC2 rabbit purified polyclonal antibody 1:100 and anti-HIF1A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

***In situ* Proximity Ligation Assay (Cell)**



Representative image of Proximity Ligation Assay of protein-protein interactions between HDAC2 and HIF1A. HT-29 cells were stained with anti-HDAC2 rabbit purified polyclonal antibody 1:100 and anti-HIF1A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

***In situ* Proximity Ligation Assay (Cell)**



Confocal microscopy image of Proximity Ligation Assay of protein-protein interactions between HDAC2 and HIF1A. HT-29 cells were stained with anti-HDAC2 rabbit purified

polyclonal antibody 1:100 and anti-HIF1A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

HDAC2 HIF1A

Gene Information

Entrez GeneID:	3066
Gene Name:	HDAC2
Gene Alias:	RPD3,YAF1
Gene Description:	histone deacetylase 2
Omim ID:	605164
Gene Ontology:	Hyperlink
Gene Summary:	This gene product belongs to the histone deacetylase family. Histone deacetylases act via the formation of large multiprotein complexes and are responsible for the deacetylation of lysine residues on the N-terminal region of the core histones (H2A, H2B, H3 and H4). This protein also forms transcriptional repressor complexes by associating with many different proteins, including YY1, a mammalian zinc-finger transcription factor. Thus it plays an important role in transcriptional regulation, cell cycle progression and developmental events. [provided by RefSeq
Other Designations:	OTTHUMP00000040427,YY1-associated factor 1,transcriptional regulator homolog RPD3

Gene Information

Entrez GeneID:	3091
Gene Name:	HIF1A
Gene Alias:	HIF-1alpha,HIF1,HIF1-ALPHA,MOP1,PASD8,bHLHe78
Gene Description:	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)
Omim ID:	603348
Gene Ontology:	Hyperlink
Gene Summary:	Hypoxia-inducible factor-1 (HIF1) is a transcription factor found in mammalian cells cultured under reduced oxygen tension that plays an essential role in cellular and systemic homeostatic responses to hypoxia. HIF1 is a heterodimer composed of an alpha subunit and a beta subunit. The beta subunit has been identified as the aryl hydrocarbon receptor nuclear translocator (ARNT). This gene encodes the alpha subunit of HIF-1. Overexpression of a natural antisense transcript (aHIF) of this gene has been shown to be associated with nonpapillary renal carcinomas. Two alternative transcripts encoding different isoforms have been identified. [provided by RefSeq
Other Designations:	ARNT interacting protein,hypoxia-inducible factor 1, alpha subunit,hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor),member of PAS superfamily 1