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XIAP & ACVR1B Protein Protein Interaction Antibody Pair

Catalog # : DI0405

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 XIAP protein, and the other against the ACVR1B protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

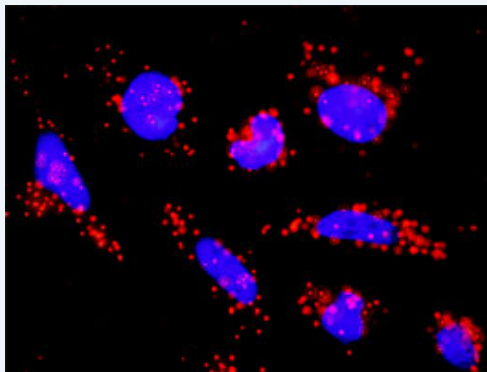


Application Image

In situ Proximity Ligation Assay (Cell)

Reactivity: Human

Quality Control Testing: Protein protein interaction immunofluorescence result.



Representative image of Proximity Ligation Assay of protein-protein interactions between XIAP and ACVR1B. HeLa cells were stained with anti-XIAP rabbit purified polyclonal antibody 1:1200 and anti-ACVR1B 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. XIAP rabbit purified polyclonal antibody (20 ug)
 2. ACVR1B 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.

MSDS:

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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)

[ACVR1B](#) [XIAP](#)

Gene Information

Entrez GeneID: [331](#)

Gene Name: XIAP

Gene Alias: API3,BIRC4,ILP1,MIHA,XLP2

Gene Description: X-linked inhibitor of apoptosis

Omim ID: [300079](#), [300635](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene is a member of a family of proteins which inhibit apoptosis through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2. This protein inhibits apoptosis induced by menadione, a potent inducer of free radicals, and ICE. It also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. [provided by RefSeq]

Other Designations: OTTHUMP00000023975,OTTHUMP00000196392,apoptosis inhibitor 3,baculoviral IAP repeat-containing 4,baculoviral IAP repeat-containing protein 4

Gene Information

Entrez GeneID: [91](#)

Gene Name: ACVR1B

Gene Alias: ACTRIB,ACVRLK4,ALK4,SKR2

Gene Description: activin A receptor, type IB

Omim ID: [601300](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Activins are dimeric growth and differentiation factors which belong to the transforming growth factor-beta (TGF-beta) superfamily of structurally related signaling proteins. Activins signal through a heteromeric complex of receptor serine kinases which include at least two type I (I and IB) and two type II (II and IIB) receptors. These receptors are all transmembrane proteins, composed of a ligand-binding extracellular domain with a cysteine-rich region, a

transmembrane domain, and a cytoplasmic domain with predicted serine/threonine specificity. Type I receptors are essential for signaling, and type II receptors are required for binding ligands and for expression of type I receptors. Type I and II receptors form a stable complex after ligand binding, resulting in phosphorylation of type I receptors by type II receptors. This gene encodes activin A type IB receptor, composed of 11 exons. Alternative splicing and alternative polyadenylation result in 3 fully described transcript variants. The mRNA expression of variants 1, 2, and 3 is confirmed, and a potential fourth variant contains an alternative exon 8 and lacks exons 9 through 11, but its mRNA expression has not been confirmed. [provided by RefSeq

Other activin A receptor, type II-like kinase 4,activin A type IB receptor,activin
Designations: receptor-like kinase 4,serine(threonine) protein kinase receptor R2

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