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Lieferung & Zahlungsart

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Zuschläge

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- Expressversand

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KLK3 & AR Protein Protein Interaction Antibody Pair

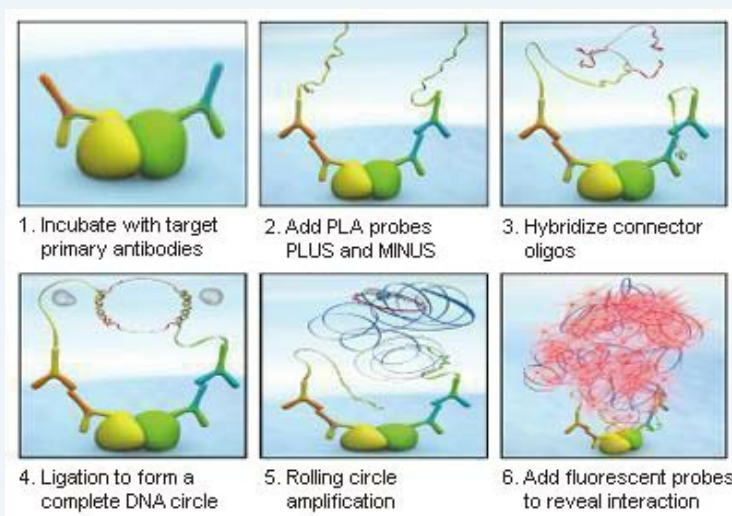
Catalog # : DI0340

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 KLK3 protein, and the other against the AR protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

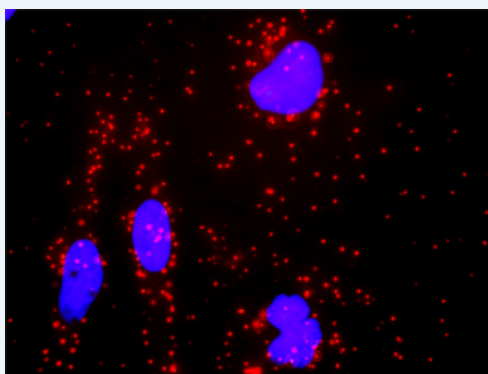


Application Image

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 KLK3 and AR. HeLa cells were stained with anti-KLK3 rabbit purified polyclonal antibody 1:1200 and anti-AR 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. KLK3 rabbit purified polyclonal antibody (20 ug)
 2. AR 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:  [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)

[KLK3](#) [AR](#)

Gene Information

Entrez GeneID: [354](#)

Gene Name: KLK3

Gene Alias: APS,KLK2A1,PSA,hK3

Gene Description: kallikrein-related peptidase 3

Omim ID: [176820](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its protein product is a protease present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of this protein, called PSA in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms. [provided by RefSeq]

Other Designations: P-30 antigen,gamma-seminoprotein,kallikrein 3, (prostate specific antigen),prostate specific antigen,semenogelase,seminin

Gene Information

Entrez GeneID: [367](#)

Gene Name: AR

Gene Alias: AIS,DHTR,HUMARA,KD,NR3C4,SBMA,SMAX1,TFM

Gene Description: androgen receptor

Omim ID: [176807](#), [300068](#), [300633](#), [313200](#), [313700](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The androgen receptor gene is more than 90 kb long and codes for a protein that has 3 major functional domains: the N-terminal domain,

DNA-binding domain, and androgen-binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. This gene contains 2 polymorphic trinucleotide repeat segments that encode polyglutamine and polyglycine tracts in the N-terminal transactivation domain of its protein. Expansion of the polyglutamine tract causes spinal bulbar muscular atrophy (Kennedy disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS). Two alternatively spliced variants encoding distinct isoforms have been described. [provided by RefSeq

Other Designations: OTTHUMP00000023450,OTTHUMP00000061928,dihydrotestosterone receptor

Interactome



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