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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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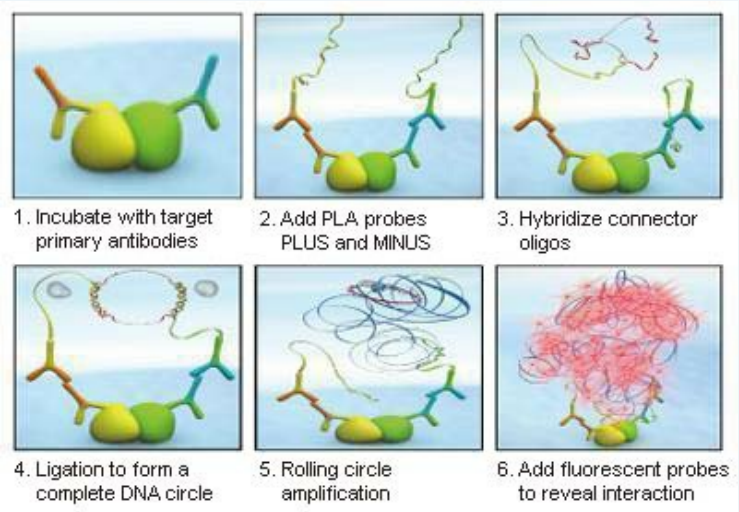
CAPN1 & GRIN2B Protein Protein Interaction Antibody Pair

Catalog # : DI0232 **規格 :** [1 Set]

List All

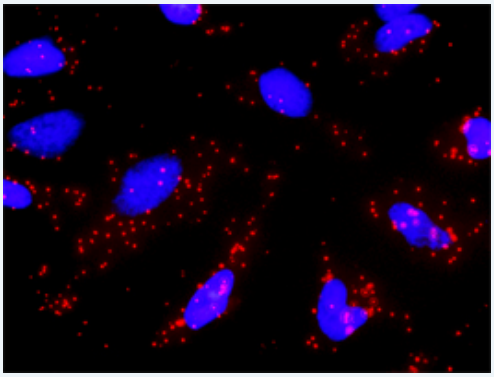
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the CAPN1 protein, and the other against the GRIN2B 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 CAPN1 and GRIN2B. HeLa cells were stained with anti-CAPN1 rabbit purified polyclonal antibody 1:1200 and anti-GRIN2B 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. CAPN1 rabbit purified polyclonal antibody (20 ug)
2. GRIN2B 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)

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)**

CAPN1 GRIN2B

Gene Information

Entrez GeneID: 823

Gene Name: CAPN1

Gene Alias: CANP,CANP1,CANPL1,muCANP,muCL

Gene Description: calpain 1, (mu/I) large subunit

Omim ID: 114220

Gene Ontology: Hyperlink

Gene Summary: The calpains, calcium-activated neutral proteases, are nonlysosomal, intracellular cysteine proteases. The mammalian calpains include ubiquitous, stomach-specific, and muscle-specific proteins. The ubiquitous enzymes consist of heterodimers with distinct large, catalytic subunits associated with a common small, regulatory subunit. This gene encodes the large subunit of the ubiquitous enzyme, calpain 1. [provided by RefSeq

Other Designations: calcium-activated neutral proteinase,calpain 1, large subunit,calpain, large polypeptide L1,cell proliferation-inducing protein 30

Gene Information

Entrez GeneID: 2904

Gene Name: GRIN2B

Gene Alias: MGC142178,MGC142180,NMDAR2B,NR2B,hNR3

Gene Description: glutamate receptor, ionotropic, N-methyl D-aspartate 2B

Omim ID: 138252

Gene Ontology: Hyperlink

Gene Summary: N-methyl-D-aspartate (NMDA) receptors are a class of ionotropic glutamate receptors. NMDA receptor channel has been shown to be involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. NMDA receptor channels are heteromers composed of three different subunits: NR1 (GRIN1), NR2 (GRIN2A, GRIN2B, GRIN2C, or GRIN2D) and NR3 (GRIN3A or GRIN3B). The NR2

subunit acts as the agonist binding site for glutamate. This receptor is the predominant excitatory neurotransmitter receptor in the mammalian brain. [provided by RefSeq

Other Designations: N-methyl-D-aspartate receptor subunit 2B,glutamate receptor subunit epsilon-2

Interactome