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PARK2 & GRIN2B Protein Protein Interaction Antibody Pair

Catalog # : DI0233

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 PARK2 protein, and the other against the GRIN2B protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

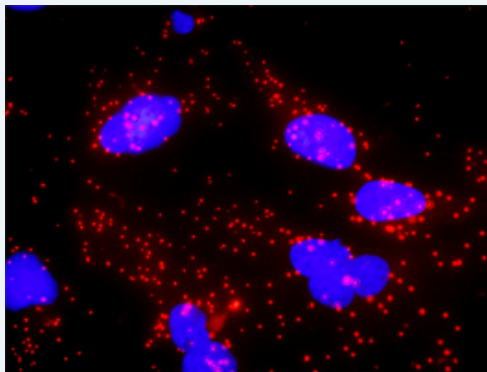
Application Image

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 PARK2 and GRIN2B. HeLa cells were stained with anti-PARK2 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. PARK2 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 -

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)

[GRIN2B](#) [PARK2](#)

Gene Information

Entrez GeneID: [5071](#)

Gene Name: PARK2

Gene Alias: AR-JP,LPRS2,PDJ,PRKN

Gene Description: Parkinson disease (autosomal recessive, juvenile) 2, parkin

Omim ID: [211980](#), [600116](#), [602544](#), [604370](#), [607572](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The precise function of this gene is unknown; however, the encoded protein is a component of a multiprotein E3 ubiquitin ligase complex that mediates the targeting of substrate proteins for proteasomal degradation. Mutations in this gene are known to cause Parkinson disease and autosomal recessive juvenile Parkinson disease. Alternative splicing of this gene produces multiple transcript variants encoding distinct isoforms. Additional splice variants of this gene have been described but currently lack transcript support. [provided by RefSeq]

Other Designations: E3 ubiquitin

Designations: ligase,OTTHUMP00000017565,OTTHUMP00000017566,OTTHUMP000017567,parkin,parkin 2

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](#)

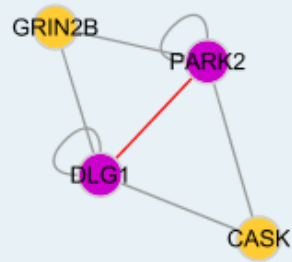
Gene Ontology: [Hyperlink](#)

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



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