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NTRK2 & NTF4 Protein Protein Interaction Antibody Pair

Catalog # : DI0604

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 NTRK2 protein, and the other against the NTF4 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

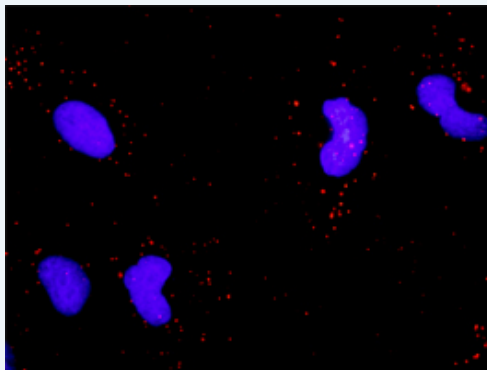
Application Image

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 NTRK2 and NTF4. HeLa cells were stained with anti-NTRK2 rabbit purified polyclonal antibody 1:1200 and anti-NTF4 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. NTRK2 rabbit purified polyclonal antibody (20 ug)
 2. NTF4 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)

[NTF4](#) [NTRK2](#)

Gene Information

Entrez GeneID: [4915](#)

Gene Name: NTRK2

Gene Alias: GP145-TrkB,TRKB

Gene Description: neurotrophic tyrosine kinase, receptor, type 2

Omim ID: [600456](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation. Mutations in this gene have been associated with obesity and mood disorders. Alternate transcriptional splice variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations: BDNF/NT-3 growth factors receptor,OTTHUMP00000021573,OTTHUMP00000021574,OTTHUMP00000021575,OTTHUMP00000021576,OTTHUMP00000021577,tyrosine kinase receptor B

Gene Information

Entrez GeneID: [4909](#)

Gene Name: NTF4

Gene Alias: NT-4/5,NT4,NT5,NTF5

Gene Description: neurotrophin 4

Omim ID: [162662](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene is a member of a family of neurotrophic factors, neurotrophins, that control survival and differentiation of mammalian neurons. The expression of this gene is ubiquitous and less influenced by environmental signals. While knock-outs of other neurotrophins including nerve growth factor, brain-derived neurotrophic factor, and

neurotrophin 3 prove lethal during early postnatal development, NTF5-deficient mice only show minor cellular deficits and develop normally to adulthood. [provided by RefSeq]

Other Designations: neurotrophic factor 4,neurotrophic factor 5,neurotrophin 5,neurotrophin 5 (neurotrophin 4/5)

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