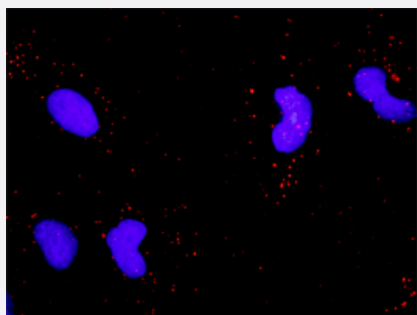


NTRK2 & NTF4 Protein Protein Interaction Antibody Pair

Catalog # DI0604

Size 1 Set

Applications



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.

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](#).

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 (100 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.

Applications

- *In situ* Proximity Ligation Assay (Cell)

Gene Info — NTF4

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)

Gene Info — NTRK2

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

Pathway

- [MAPK signaling pathway](#)
- [MAPK signaling pathway](#)
- [Neurotrophin signaling pathway](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Antisocial Personality Disorder](#)
- [Asperger Syndrome](#)
- [Asperger Syndrome](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Autistic Disorder](#)
- [Avoidance Learning](#)
- [Bipolar Disorder](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)

- [Disease Models](#)
- [Disease Models](#)
- [Eating Disorders](#)
- [Eating Disorders](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Mental Disorders](#)
- [Mental Disorders](#)
- [Mood Disorders](#)
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- [Psychiatric Status Rating Scales](#)
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- [Schizophrenic Psychology](#)
- [Sleep Disorders](#)
- [Social Perception](#)
- [Social Perception](#)
- [Stress Disorders](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)