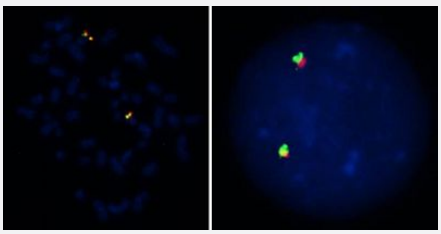
Sm Size

NTRK3 Split FISH Probe

Catalog # FS0038 Size 200 uL, 100 uL

Applications



Hybridization position of the probes on the chromosome.

Hybridization position of the probes on the chromosome.

Specification

Product Description	Labeled FISH probes for identification of gene split using Fluorescent In Situ Hybridization Technique. (Technology).
Probe 1	**Name:** NTRK3 **Size:** Approximately 420kb **Fluorophore:** Texas Red **Location:** 15q25
Probe 2	**Name:** NTRK3 **Size:** Approximately 720kb **Fluorophore:** FITC **Location:** 15q25
Probe Gap	The gap between two probes is approximately 75 kb

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Origin	Human
Source	Genomic DNA
Reactivity	Human
Form	Liquid
Notice	We **strongly recommend** the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: KA2375 or KA2691) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
Regulation Status	For research use only (RUO)
Quality Control Testing	Representative images of normal human cell (lymphocyte) stain with the dual color FISH probe. The l eft image is chromosomes at metaphase, and the right image is an interphase nucleus.
Supplied Products	DAPI Counterstain (1500 ng/mL) 125 uL for each 100 uL FISH Probe
Storage Instruction	Store at 4°C in the dark.
Note	Hybridization position of the probes on the chromosome. Hybridization position of the probes on the chromosome.
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — NTRK3

Entrez GeneID	4916
Gene Name	NTRK3
Gene Alias	TRKC, gp145(trkC)
Gene Description	neurotrophic tyrosine kinase, receptor, type 3
Omim ID	191316
Gene Ontology	Hyperlink

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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 and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers. [provided by RefSeq
Other Designations	ETS related protein-neurotrophic receptor tyrosine kinase fusion protein|ETV6-NTRK3 fusion|NT-3 growth factor receptor|OTTHUMP00000192915|neurotrophin 3 receptor|tyrosine kinase receptor C

Pathway

- Neurotrophin signaling pathway

Disease

- Anxiety Disorders
- Asperger Syndrome
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Bipolar Disorder
- Depressive Disorder
- Disease Models
- Eating Disorders
- Genetic Predisposition to Disease
- Hirschsprung Disease
- Hypertension
- Mental Disorders
- Mood Disorders
- Neuropsychological Tests
- Obsessive-Compulsive Disorder

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- Pancreatic cancer
- Pancreatic Neoplasms
- Panic Disorder
- Pattern Recognition
- Recognition (Psychology)
- Schizophrenia
- Social Perception
- Tobacco Use Disorder

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