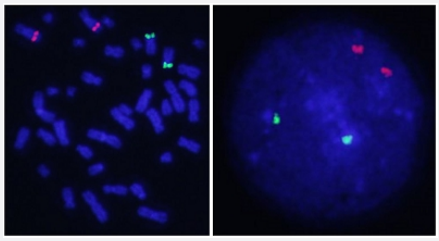
Sm Size

MYB/NFIB DY Translocation FISH Probe

Catalog # FT0027 Size 200 uL, 100 uL

Applications



Specification

Product Description	Labeled FISH probes for identification of gene translocation using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** MYB **Size:** Approximately 1010kb **Fluorophore:** Texas Red **Location:** 6q22-23
Probe 2	**Name:** NFIB **Size:** Approximately 1090kb **Fluorophore:** FITC **Location:** 9p24.1
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.

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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
Probe Position	
Storage Instruction	Store at 4°C in the dark.
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 — MYB

Entrez GeneID	4602
Gene Name	MYB
Gene Alias	Cmyb, c-myb, c-myb_CDS, efg
Gene Description	v-myb myeloblastosis viral oncogene homolog (avian)
Omim ID	189990
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a transcription factor that is a member of the MYB family of transcription factor genes. The protein contains three domains, an N-terminal DNA-binding domain, a central transcri ptional activation domain and a C-terminal domain involved in transcriptional repression. This prot ein plays an essential role in the regulation of hematopoiesis and may play a role in tumorigenesi s. Alternative splicing results in multiple transcript variants. [provided by RefSeq
Other Designations	Avian myeloblastosis viral (v-myb) oncogene homolog|OTTHUMP00000017258|c-myb protein (1 40 AA)|c-myb10A_CDS|c-myb13A_CDS|c-myb14A_CDS|c-myb8B_CDS|v-myb avian myelobla stosis viral oncogene homolog|v-myb myeloblastosis viral oncogene homolog

Gene Info — NFIB

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Entrez GeneID	4781
Gene Name	NFIB
Gene Alias	HMGIC/NFIB, NFI-RED, NFIB2, NFIB3
Gene Description	nuclear factor I/B
Omim ID	600728
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000022765|OTTHUMP00000044928

Publication Reference

- Serial patient-derived orthotopic xenografting of adenoid cystic carcinomas recapitulates stable expression of phenotypic alterations and innervation.

  Cornett A, Athwal HK, Hill E, Murphy G 3rd, Yeoh K, Moskaluk CA, Witt RL, D'Silva NJ, Agarwal S, Lombaert IMA.

  EBioMedicine 2019 Mar; 41:175.

  Application: FISH, Human, Mouse, Adenoid cystic carcinoma

Disease

- alpha-Thalassemia
- Anemia
- Asthma
- Atherosclerosis
- beta-Thalassemia
- Cardiovascular Diseases
- Cardiovascular Diseases
- Coronary Artery Disease
- Diabetes Mellitus
- Diabetes Mellitus
- Edema

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- Edema
- Genetic Predisposition to Disease
- Graft Occlusion
- Hypertension
- Myocardial Infarction
- Nasal Polyps
- Obesity
- Pain
- Thalassemia

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