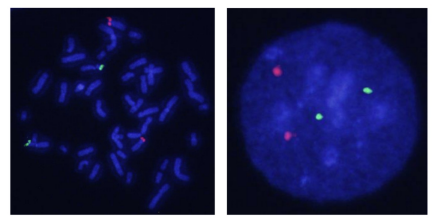
Sm Size

AML1/ETV6 DY Translocation FISH Probe

Catalog # FT0052 Size 200 uL, 100 uL

Applications



Representative images of normal human cell (lymphocyte) stain with the dual color FISH probe. The left image is chromosomes at metaphase, and the right image is an interphase nucleus.

Hybridization position of the probes on the chromosome.

Hybridization position of the probes on the chromosome.

Specification

Probe 1	**Name:** AML1 **Size:** Approximately 1370kb **Fluorophore:** FITC **Location:** 21q22.12
Probe 2	**Name:** ETV6 **Size:** Approximately 910kb **Fluorophore:** TexRed **Location:** 12p13
Regulation Status	For research use only (RUO)
Source	Genomic DNA

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Origin	Human
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.
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening
Product Description	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization T echnique. (Technology).
Reactivity	Human
Form	Liquid
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. 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.
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.

Applications

- Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

  Protocol Download

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — RUNX1

Entrez GeneID	861
Gene Name	RUNX1
Gene Alias	AML1, AML1-EVI-1, AMLCR1, CBFA2, EVI-1, PEBP2aB
Gene Description	runt-related transcription factor 1

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Omim ID	151385 180300 601399 601626
Gene Ontology	Hyperlink
Gene Summary	Core binding factor (CBF) is a heterodimeric transcription factor that binds to the core element of many enhancers and promoters. The protein encoded by this gene represents the alpha subunit o f CBF and is thought to be involved in the development of normal hematopoiesis. Chromosomal tr anslocations involving this gene are well-documented and have been associated with several type s of leukemia. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	AML1-EVI-1 fusion protein|acute myeloid leukemia 1|aml1 oncogene|core-binding factor, runt do main, alpha subunit 2

Gene Info — ETV6

Entrez GeneID	2120
Gene Name	ETV6
Gene Alias	TEL, TEL/ABL
Gene Description	ets variant 6
Omim ID	131440 600618 601626
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an ETS family transcription factor. The product of this gene contains two functi onal domains: a N-terminal pointed (PNT) domain that is involved in protein-protein interactions w ith itself and other proteins, and a C-terminal DNA-binding domain. Gene knockout studies in mic e suggest that it is required for hematopoiesis and maintenance of the developing vascular netwo rk. This gene is known to be involved in a large number of chromosomal rearrangements associat ed with leukemia and congenital fibrosarcoma. [provided by RefSeq
Other Designations	TEL oncogene|TEL1 oncogene|ets variant gene 6 (TEL oncogene)

Pathway

- Acute myeloid leukemia
- Chronic myeloid leukemia
- Dorso-ventral axis formation
- Pathways in cancer

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Disease

- Arthritis
- Asthma
- Blast Crisis
- Cardiovascular Diseases
- Cardiovascular Diseases
- Colitis
- Crohn Disease
- Diabetes Mellitus
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Edema
- Edema
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Immune System Diseases
- Leukemia
- Leukemia
- Liver Cirrhosis
- Lupus Erythematosus
- Multiple System Atrophy
- Myelodysplastic Syndromes
- Myelodysplastic Syndromes
- Pancreatic cancer
- Pancreatic Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Parkinson disease
- Psoriasis
- Schizophrenia
- Tobacco Use Disorder
- Tobacco Use Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.