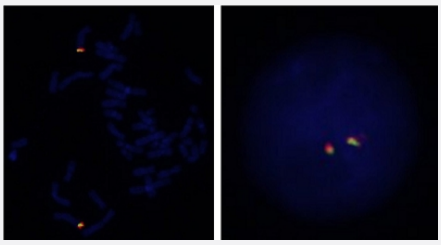
Sm Size

NPM1 Split FISH Probe

Catalog # FS0044 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:** NPM1 **Size:** Approximately 440kb **Fluorophore:** Texas Red **Location:** 5q35.1
Probe 2	**Name:** NPM1 **Size:** Approximately 600kb **Fluorophore:** FITC **Location:** 5q35.1
Origin	Human

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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 — NPM1

Entrez GeneID	4869
Gene Name	NPM1
Gene Alias	B23, MGC104254, NPM
Gene Description	nucleophosmin (nucleolar phosphoprotein B23, numatrin)
Omim ID	164040 601626
Gene Ontology	Hyperlink

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Gene Summary	NPM1 is a ubiquitously expressed nucleolar protein that shuttles between the nucleus and cytoplasm. It is implicated in multiple functions, including ribosomal protein assembly and transport, control of centrosome duplication, and regulation of the tumor suppressor ARF (MIM 600160). NPM1 mutations that relocalize NPM1 from the nucleus into the cytoplasm are associated with development of acute myeloid leukemia (AML; MIM 601626) (Garzon et al., 2008 [PubMed 18308931]).[supplied by OMIM
Other Designations	nucleolar phosphoprotein B23|nucleophosmin 1|nucleophosmin/nucleoplasmin family, member 1|numatrin

Disease

- Acute Disease
- Blast Crisis
- Cell Transformation
- Chromosome Aberrations
- Disease Progression
- Genetic Predisposition to Disease
- Inversion
- Leukemia
- Myelodysplastic Syndromes
- Neoplasm
- Recurrence
- Translocation

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