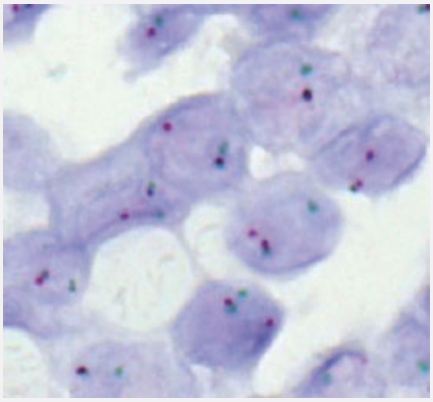
SS18 Split CISH Probe

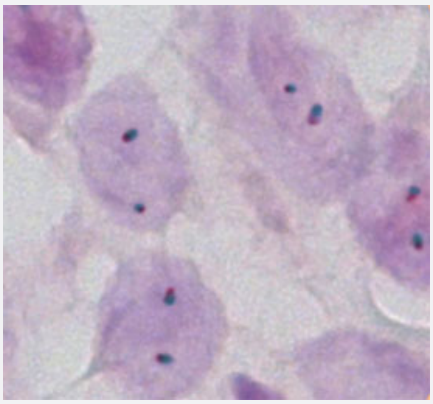
Catalog # CS0015 Size 100 uL

Applications



Chromogenic *In Situ* Hybridization (FFPE Tissue)

Synovial sarcoma tissue section with translocation affecting the 18q11.2 locus as indicated by one non-rearranged red/green fusion signal, one red signal, and one separate green signal indicating the translocation.



Chromogenic *In Situ* Hybridization (Cells)

Normal interphase cells as indicated by two red/green fusion signals per nucleus.

Specification

Product Description	SS18 Split CISH Probe is designed for the qualitative detection of human SS18 gene at 18q11.2 in formalin-fixed, paraffin-embedded specimens by chromogenic *in situ* hybridization (CISH).
Reactivity	Human
Recommend Usage	The product is ready-to-use. No reconstitution, mixing, or dilution is required. Bring probe to room temperature (18-25°C) and mix briefly before use.

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Supplied Products	Reagent Provided: This Probe is available in one size and is composed of: Digoxigenin-labeled polynucleotides targeting sequences mapping in 18q11.2* (chr18:23,109,942-23,262,464) proximal to the SS18 breakpoint region Dinitrophenyl-labeled polynucleotides targeting sequences mapping in 18q11.2* (chr18:23,772,255-24,137,169) distal to the SS18 breakpoint region Formamide based hybridization buffer *according to Human Genome Assembly GRCh37/hg19
Probe Position	
Regulatory Status	For research use only (RUO)
Storage Instruction	Store at 2-8°C in an upright position. Return to storage conditions immediately after use.
Note	The probe is intended to be used in combination with the CISH Implementation Kit 2 (Catalog #: KA5366), which provides necessary reagents for specimen pretreatment and post-hybridization processing. Hybridization signals of digoxigenin-labeled polynucleotides appear dark green distinct dot-shaped (proximal to the SS18 breakpoint region), and dinitrophenyl-labeled polynucleotides appear bright red distinct dot-shaped (distal to the SS18 breakpoint region). Normal situation: In interphases of normal cells or cells without a translocation involving the SS18 gene region, two red/green fusion signals appear. Aberrant situation: One SS18 gene region affected by a translocation is indicated by one separate green signal and one separate red signal. Other signal distribution may be observed in some abnormal samples which might result in a different signal pattern than described above, indicating variant rearrangements. Unexpected signal patterns should be further investigated. The digoxigenin-labeled probe and the formamide-based hybridization buffer are pre-mixed and provided in a single ready-to-use vial. Only one tube is included in the package.
Interpretation of Result	
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening

Applications

- Chromogenic *In Situ* Hybridization (FFPE Tissue)

  Synovial sarcoma tissue section with translocation affecting the 18q11.2 locus as indicated by one non-rearranged red/green fusion signal, one red signal, and one separate green signal indicating the translocation.

- Chromogenic *In Situ* Hybridization (Cells)

  Normal interphase cells as indicated by two red/green fusion signals per nucleus.

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Gene Info — SS18

Entrez GeneID	6760
Gene Name	SS18
Gene Alias	MGC116875, SSXT, SYT, SYT-SSX1, SYT-SSX2
Gene Description	synovial sarcoma translocation, chromosome 18
Omim ID	600192
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	SSXT/SSX4v fusion|SYT/SSX4v fusion protein|synovial sarcoma, translocated to X chromosome

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