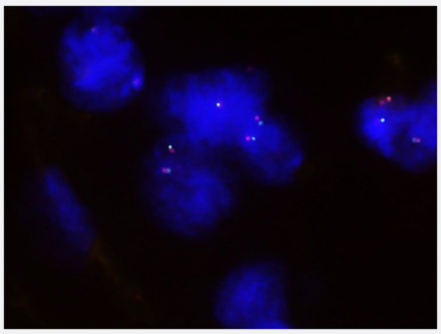
Sm Size

TFE3 Split FISH Probe

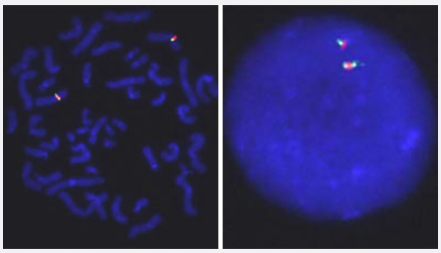
Catalog # FS0004 Size 200 uL, 100 uL

Applications



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

Human renal cell carcinoma (FFPE) stained with TFE3 Split FISH Probe. Human renal cell carcinoma showed TFE3 gene split.



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).

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Probe 1	**Name:** TFE3(Texas Red) **Size:** Approximately 570kb **Fluorophore:** Texas Red **Location:** Xp11.22
Probe 2	**Name:** TFE3(FITC) **Size:** Approximately 550kb **Fluorophore:** FITC **Location:** Xp11.22
Probe Gap	The gap between two probes is approximately 90 kb.
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 (Formalin/PFA-fixed paraffin-embedded sections)

  Human renal cell carcinoma (FFPE) stained with TFE3 Split FISH Probe. Human renal cell carcinoma showed TFE3 gene split.

  Protocol Download

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — TFE3

Entrez GeneID	7030
Gene Name	TFE3
Gene Alias	RCCP2, TFEA, bHLHe33
Gene Description	transcription factor binding to IGHM enhancer 3
Omim ID	314310 605074
Gene Ontology	Hyperlink
Gene Summary	TFE3, a member of the helix-loop-helix family of transcription factors, binds to the mu-E3 motif of t he immunoglobulin heavy-chain enhancer and is expressed in many cell types (Henthorn et al., 19 91 [PubMed 1685140]).[supplied by OMIM
Other Designations	OTTHUMP00000024272|Renal cell carcinoma, papillary|Transcription factor for IgH enhancer|tran scription factor E family, member A|transcription factor E3

Publication Reference

- Validation and utilization of a TFE3 break-apart FISH assay for Xp11.2 translocation renal cell carcinoma and alveolar soft part sarcoma.

  Pradhan D, Roy S, Quiroga-Garza G, Cieply K, Mahaffey AL, Bastacky S, Dhir R, Parwani AV.

  Diagnostic Pathology 2015 Sep; 10:179.

  Application: FISH, Human, Renal cell carcinomas, Alveolar soft part sarcoma

- A case study of metastatic Xp11.2 translocation renal cell carcinoma effectively treated with sunitinib.

  Numakura K, Tsuchiya N, Yuasa T, Saito M, Obara T, Tsuruta H, Narita S, Horikawa Y, Satoh S, Habuchi T.

  International Journal of Clinical Oncology 2010 Dec; 16(5):577.

  Application: FISH-P, Human, Renal cell carcinoma

Disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Disease Progression
- Disease Susceptibility
- HIV Infections

Copyright © 2023 Abnova Corporation. All Rights Reserved.