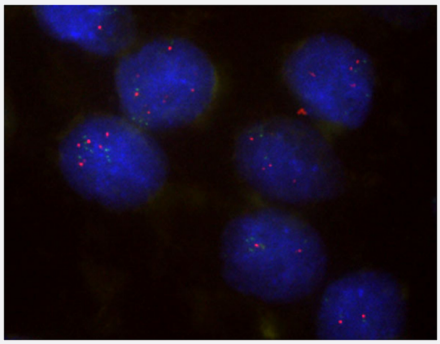
Sm Size

MEN1/CEN11p FISH Probe

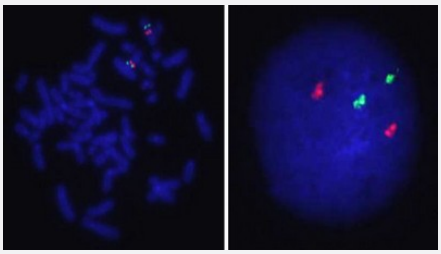
Catalog # FG0040 Size 200 uL, 100 uL

Applications



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

Huma lung, adenosquamous cell carcinoma (FFPE) stained with MEN1/CEN11p FISH Probe. Human lung, adenosquamous cell carcinoma showed no MEN1 gene amplification.



Hybridization position of the probes on the chromosome.

Hybridization position of the probes on the chromosome.

Specification

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Product Description	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** MEN1 **Size:** Approximately 500kb **Fluorophore:** Texas Red **Location:** 11q13
Probe 2	**Name:** CEN11p **Size:** Approximately 630kb **Fluorophore:** FITC **Location:** 11p11.12
Probe Gap	The gap between two probes is approximately 16,700 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

  Huma lung, adenosquamous cell carcinoma (FFPE) stained with MEN1/CEN11p FISH Probe. Human lung, adenosquamous cell carcinoma showed no MEN1 gene amplification.

  Protocol Download

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — MEN1

Entrez GeneID	4221
Gene Name	MEN1
Gene Alias	MEAI, SCG2
Gene Description	multiple endocrine neoplasia I
Omim ID	131100 145000
Gene Ontology	Hyperlink
Gene Summary	This gene encodes menin, a putative tumor suppressor associated with a syndrome known as multiple endocrine neoplasia type 1. In vitro studies have shown menin is localized to the nucleus, possesses two functional nuclear localization signals, and inhibits transcriptional activation by JunD, however, the function of this protein is not known. Two messages have been detected on northern blots but the larger message has not been characterized. Alternative splicing results in multiple transcript variants. [provided by RefSeq
Other Designations	OTTHUMP00000042868|OTTHUMP00000070176|OTTHUMP00000070180|OTTHUMP00000070184|endocrine adenomatosis, multiple|menin

Publication Reference

- Syndromic MEN1 parathyroid adenomas consist of both subclonal nodules and clonally independent tumors.

  Konstantin Bräutigam, Cédric Nesti, Philipp Riss, Christian Scheuba, Bruno Niederle, Tobias Grob, Annunziata Di Domenico, Maja Neuenschwander, Peter Mazal, Nastassja Köhn, Roman Trepp, Aurel Perren, Reto M Kaderli.

  Virchows Archiv : an International Journal of Pathology 2024 Jan; [Epub].

  Application: FISH, Human, parathyroid adenoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Disease

- Adenocarcinoma
- Adenoma
- Adrenal Gland Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Disease Susceptibility
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Hyperinsulinism
- Hyperparathyroidism
- Hypoglycemia
- Insulinoma
- Multiple endocrine neoplasia
- Multiple Endocrine Neoplasia Type 1
- Neuroendocrine Tumors
- Pancreatic cancer
- Pancreatic Neoplasms
- Parathyroid Neoplasms
- Pituitary Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.