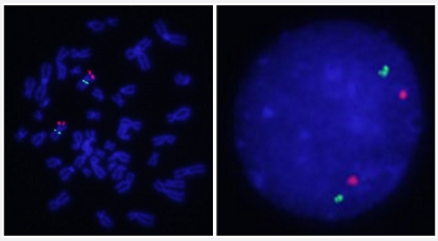
Sm Size

MTAP/CEN9q FISH Probe

Catalog # FG0232 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 amplification using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** MTAP **Size:** Approximately 210kb **Fluorophore:** Texas Red **Location:** 9p21.3
Probe 2	**Name:** CEN9q **Size:** Approximately 470kb **Fluorophore:** FITC **Location:** 9q21
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
Probe Position	
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 — MTAP

Entrez GeneID	4507
Gene Name	MTAP
Gene Alias	MSAP, c86fus
Gene Description	methylthioadenosine phosphorylase
Omim ID	156540
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes an enzyme that plays a major role in polyamine metabolism and is important f or the salvage of both adenine and methionine. The encoded enzyme is deficient in many cancers because this gene and the tumor suppressor p16 gene are co-deleted. Multiple alternatively splic ed transcript variants have been described for this gene, but their full-length natures remain unkno wn. [provided by RefSeq
Other Designations	5'-methylthioadenosine phosphorylase|MeSAdo phosphorylase|OTTHUMP00000021152

Pathway

- Cysteine and methionine metabolism
- Metabolic pathways

Disease

- Brain Ischemia
- Diabetes Mellitus
- Gastrointestinal Neoplasms
- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Hyperlipidemias
- Hypertension
- Intracranial Embolism
- Melanoma
- Myocardial Infarction
- Neoplasms
- Nevus
- Precancerous Conditions
- Skin Neoplasms
- Sunburn

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