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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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MYH11(Texas Red)/CEN16q(FITC) FISH Probe

Catalog # : FA0580 **規格 :** [200 uL]

List All

Specification

Product Description:	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology)
Supplied Product:	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction:	Store at 4°C in the dark.
Origin:	Human
Source:	Genomic DNA
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)

Applications

Fluorescent In Situ Hybridization (Cell)

Protocol Download

Gene Information

Entrez GeneID:	4629
Gene Name:	MYH11
Gene Alias:	AAT4,DKFZp686D10126,DKFZp686D19237,FAA4,FLJ35232,MGC126726,MGC32963,SMHC,SMMHC
Gene Description:	myosin, heavy chain 11, smooth muscle
Omim ID:	132900, 160745
Gene Ontology:	Hyperlink
Gene Summary:	The protein encoded by this gene is a smooth muscle myosin belonging to the myosin heavy chain family. The gene product is a subunit of a hexameric protein that consists of two heavy chain subunits and two pairs of non-identical light chain subunits. It functions as a major contractile protein, converting chemical energy into mechanical energy through the hydrolysis of ATP. The gene encoding a human ortholog of rat NUDE1 is transcribed from the reverse strand of this gene, and its 3' end overlaps with that of the latter. The pericentric inversion of chromosome 16 [inv(16)(p13q22)] produces a chimeric transcript that encodes a protein consisting of the first 165 residues from the N terminus of core-binding factor beta in a fusion with the C-terminal

Application Image

Fluorescent In Situ Hybridization (Cell)

portion of the smooth muscle myosin heavy chain. This chromosomal rearrangement is associated with acute myeloid leukemia of the M4Eo subtype. Alternative splicing generates isoforms that are differentially expressed, with ratios changing during muscle cell maturation. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq

Other Designations: myosin, heavy polypeptide 11, smooth muscle,smooth muscle myosin heavy chain 11

Gene Pathway

Tight junction Vascular smooth muscle contraction

Related Disease

Adenocarcinoma Breast cancer Breast Neoplasms Ductus Arteriosus, Patent Genetic Predisposition to Disease Leukemia, chronic myeloid Leukemia, Myelocytic, Acute Leukemia, Myeloid, Chronic Prostate cancer Prostatic Neoplasms