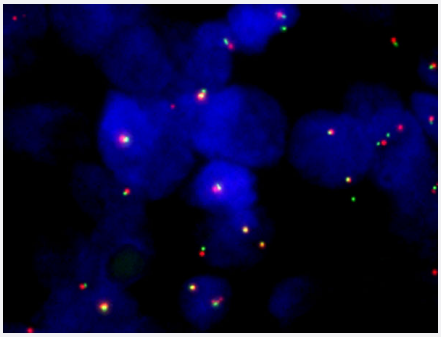
MYH9 Split FISH Probe

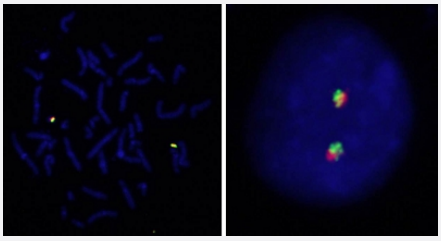
Catalog # FS0029 Size 100 uL, 200 uL

Applications



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

human ovary cancer (FFPE) stained with Myh9 Split FISH Probe . human ovary cancer showed Myh9 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 amplification using Fluorescent In Situ Hybridization T echnique. (Technology).

Probe 1	**Name:** MYH9 **Size:** Approximately 590kb **Fluorophore:** Texas Red **Location:** 22q12.3
Probe 2	**Name:** MYH9 **Size:** Approximately 770kb **Fluorophore:** FITC **Location:** 22q12.3
Probe Gap	The gap between two probes is approximately 40 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 Product	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.

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

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

  human ovary cancer (FFPE) stained with Myh9 Split FISH Probe . human ovary cancer showed Myh9 Split.

  Protocol Download

Gene Info — MYH9

Entrez GeneID	4627
Gene Name	MYH9
Gene Alias	DFNA17, EPSTS, FTNS, MGC104539, MHA, NMHC-II-A, NMMHCA
Gene Description	myosin, heavy chain 9, non-muscle
Omim ID	153640 153650 155100 160775 600208 603622 605249
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a myosin IIA heavy chain that contains an IQ domain and a myosin head-like d omain. The protein is involved in several important functions, including cytokinesis, cell motility an d maintenance of cell shape. Defects in MYH9 are the cause of non-syndromic sensorineural deaf ness autosomal dominant type 17, Epstein syndrome, Alport syndrome with macrothrombocytope nia, Sebastian syndrome, Fechtner syndrome and macrothrombocytopenia with progressive sens orineural deafness. [provided by RefSeq
Other Designations	MYH9 variant protein|OTTHUMP00000028706|cellular myosin heavy chain, type A|myosin, heavy polypeptide 9, non-muscle|non-muscle myosin heavy chain|non-muscle myosin heavy polypeptide 9|nonmuscle myosin heavy chain II-A

Pathway

- Regulation of actin cytoskeleton
- Tight junction

Disease

- Albuminuria
- Attention
- Bernard-Soulier Syndrome
- Blood Platelet Disorders
- Cardiovascular Diseases
- Cerebral Hemorrhage

- Chronic Disease
- Cleft Lip
- Cleft Palate
- Deafness
- Diabetes Mellitus
- Endocrine System Diseases
- Genetic Predisposition to Disease
- Glomerulonephritis
- Glomerulosclerosis
- Hypertension
- Intracranial Hemorrhages
- Kidney Diseases
- Kidney Failure
- Lupus Nephritis
- Neuropsychological Tests
- Problem Solving
- Schizophrenia
- Stroke
- Subarachnoid Hemorrhage
- Thalassemia
- Thrombocytopenia
- Urologic Diseases
- von Willebrand Disease