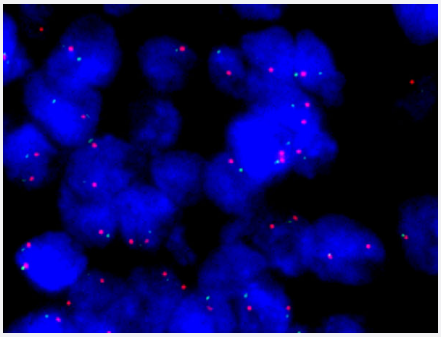
Sm Size

HMGA2/CEN12q FISH Probe

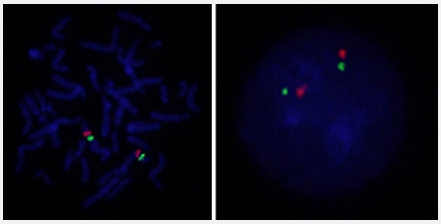
Catalog # FG0137 Size 200 uL, 100 uL

Applications



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

human ovary cancer (FFPE) stained with HMGA2/CEN12q FISH Probe . human ovary cancer showed no HMGA2 amplification.



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).

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Probe 1	**Name:** HMGA2 **Size:** Approximately 430kb **Fluorophore:** Texas Red **Location:** 12q15
Probe 2	**Name:** CEN12q **Size:** Approximately 580kb **Fluorophore:** FITC **Location:** 12q12
Probe Gap	The gap between two probes is approximately 22,100 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 ovary cancer (FFPE) stained with HMGA2/CEN12q FISH Probe . human ovary cancer showed no HMGA2 amplification.

  Protocol Download

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

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Gene Info — HMGA2

Entrez GeneID	8091
Gene Name	HMGA2
Gene Alias	BABL, HMGI-C, HMGIC, LIPO, STQTL9
Gene Description	high mobility group AT-hook 2
Omim ID	151900 600698
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that belongs to the non-histone chromosomal high mobility group (HMG) protein family. HMG proteins function as architectural factors and are essential components of the enhancesome. This protein contains structural DNA-binding domains and may act as a transcriptional regulating factor. Identification of the deletion, amplification, and rearrangement of this gene that are associated with myxoid liposarcoma suggests a role in adipogenesis and mesenchymal differentiation. A gene knock out study of the mouse counterpart demonstrated that this gene is involved in diet-induced obesity. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Other Designations	High-mobility group protein HMGI-C|high-mobility group (nonhistone chromosomal) protein isoform I-C

Disease

- Brain Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Glioma
- Insulin Resistance
- Leiomyoma
- Osteoarthritis
- Uterine Neoplasms

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- Ventricular Dysfunction

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