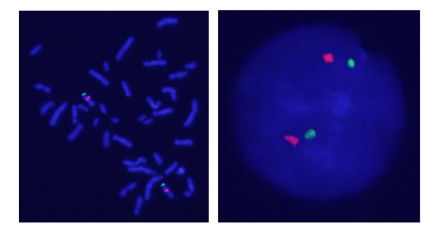
HMGA2/NCOR2 SY Translocation FISH Probe

Catalog # FT0044 Size 200 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 translocation using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** HMGA2 **Size:** Approximately 470kb **Fluorophore:** Texas Red **Location:** 12q14.3
Probe 2	**Name:** NCOR2 **Size:** Approximately 660kb **Fluorophore:** FITC **Location:** 12q24.31
Origin	Human

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Source	Genomic DNA
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.
Regulatory 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.
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 — 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 (H MG) 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 tran scriptional regulating factor. Identification of the deletion, amplification, and rearrangement of this gene that are associated with myxoid liposarcoma suggests a role in adipogenesis and mesench ymal 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 isof orms, have been characterized. [provided by RefSeq

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Other Designations	High-mobility group protein HMGI-C|high-mobility group (nonhistone chromosomal) protein isoform I-C

Gene Info — NCOR2

Entrez GeneID	9612
Gene Name	NCOR2
Gene Alias	CTG26, SMRT, SMRTE, SMRTE-tau, TNRC14, TRAC-1, TRAC1
Gene Description	nuclear receptor co-repressor 2
Omim ID	600848
Gene Ontology	Hyperlink
Other Designations	silencing mediator for retinoid and thyroid hormone receptors

Pathway

- Notch signaling pathway

Disease

- Bipolar Disorder
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Cerebral Hemorrhage
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Edema

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- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Glioma
- HIV Infections
- Hypertension
- Insulin Resistance
- Intracranial Hemorrhages
- Leiomyoma
- Osteoarthritis
- Osteoarthritis
- Stroke
- Subarachnoid Hemorrhage
- Thyroid Neoplasms
- Uterine Neoplasms
- Ventricular Dysfunction

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