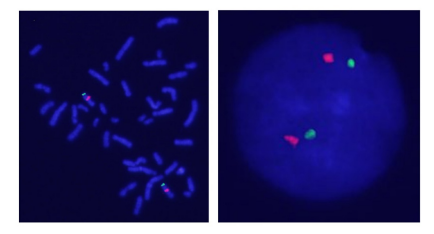
# HMGA2/NCOR2 SY Translocation FISH Probe

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<br>**Size:** Approximately 470kb<br>**Fluorophore:** Texas Red<br>**Location:** 12q14.3 |
| **Probe 2** | **Name:** NCOR2<br>**Size:** Approximately 660kb<br>**Fluorophore:** FITC<br>**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.<br>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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