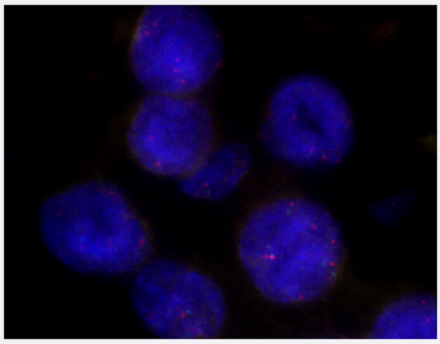
Sm Size

HEY1/NCOA2 DY Translocation FISH Probe

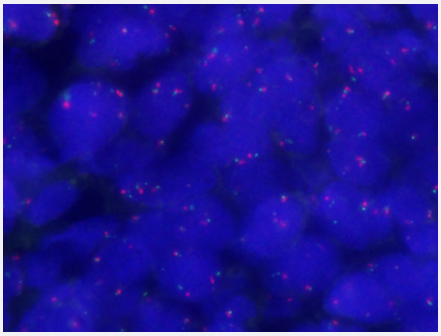
Catalog # FT0005 Size 200 uL, 100 uL

Applications



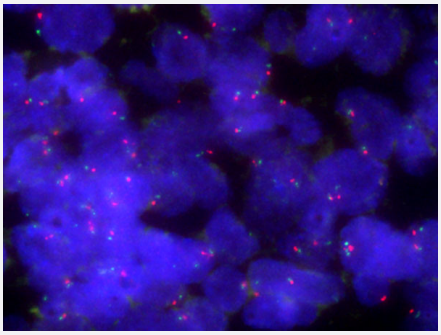
Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

Huma lung, adenosquamous cell carcinoma (FFPE) stained with HEY1/NCOA2 DY Translocation FISH Probe. Human lung cancer showed no HEY/NCOA2 DY Translocation.



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

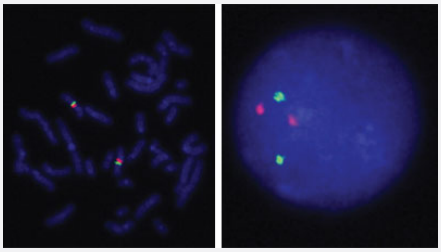
Human mesenchymal chondrosarcoma (FFPE) stained with HEY1/NCOA2 DY Translocation FISH Probe. Human mesenchymal chondrosarcoma showed no HEY1/NCOA2 DY translocation.



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

Human hemangiopericytoma (FFPE) stained with HEY1/NCOA2 DY Translocation FISH Probe. Human hemangiopericytoma showed no HEY1/NCOA2 DY translocation.

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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:** NCOA2 **Size:** Approximately 1300kb **Fluorophore:** Texas Red **Location:** 8q13.3
Probe 2	**Name:** HEY1 **Size:** Approximately 1250kb **Fluorophore:** FITC **Location:** 8q21.13
Probe Gap	The gap between two probes is approximately 8,200 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)

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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)

  Huma lung, adenosquamous cell carcinoma (FFPE) stained with HEY1/NCOA2 DY Translocation FISH Probe. Human lung cancer showed no HEY/NCOA2 DY Translocation.

  Protocol Download

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

  Human mesenchymal chondrosarcoma (FFPE) stained with HEY1/NCOA2 DY Translocation FISH Probe. Human mesenchymal chondrosarcoma showed no HEY1/NCOA2 DY translocation.

  Protocol Download

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

  Human hemangiopericytoma (FFPE) stained with HEY1/NCOA2 DY Translocation FISH Probe. Human hemangiopericytoma showed no HEY1/NCOA2 DY translocation.

  Protocol Download

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — NCOA2

Entrez GeneID	10499
Gene Name	NCOA2
Gene Alias	GRIP1, KAT13C, MGC138808, NCoA-2, TIF2, bHLHe75

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Gene Description	nuclear receptor coactivator 2
Omim ID	601993
Gene Ontology	Hyperlink
Other Designations	glucocorticoid receptor-interacting protein-1

Gene Info — HEY1

Entrez GeneID	23462
Gene Name	HEY1
Gene Alias	BHLHb31, CHF2, HERP2, HESR1, HRT-1, MGC1274, OAF1
Gene Description	hairy/enhancer-of-split related with YRPW motif 1
Omim ID	602953
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a nuclear protein belonging to the hairy and enhancer of split-related (HESR) family of basic helix-loop-helix (bHLH)-type transcriptional repressors. Expression of this gene is induced by the Notch and c-Jun signal transduction pathways. Two similar and redundant genes in mouse are required for embryonic cardiovascular development, and are also implicated in neurogenesis and somitogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq
Other Designations	HES-related repressor protein 2|basic helix-loop-helix protein OAF1|cardiovascular helix-loop-helix factor 2|hairy-related transcription factor 1

Disease

- Asthma
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

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- Osteonecrosis
- Prostate cancer
- Prostatic Neoplasms
- Tobacco Use Disorder

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