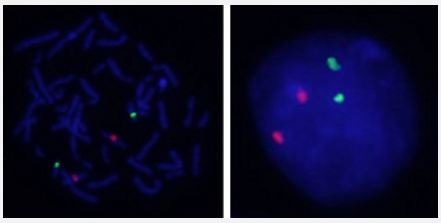
Sm Size

DDIT3/FUS SY Translocation FISH Probe

Catalog # FT0018 Size 200 uL, 100 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 transloaction using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** DDIT3 **Size:** Approximately 280kb **Fluorophore:** Texas Red **Location:** 12q13.3
Probe 2	**Name:** FUS **Size:** Approximately 550kb **Fluorophore:** FITC **Location:** 16p11.2
Origin	Human

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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 (Cell)

  Protocol Download

Gene Info — DDIT3

Entrez GeneID	1649
Gene Name	DDIT3
Gene Alias	CEBPZ, CHOP, CHOP10, GADD153, MGC4154
Gene Description	DNA-damage-inducible transcript 3
Omim ID	126337
Gene Ontology	Hyperlink
Other Designations	C/EBP homologous protein|C/EBP zeta|CCAAT/enhancer-binding protein homologous protein|gr owth arrest- and DNA damage-inducible

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Gene Info — FUS

Entrez GeneID	2521
Gene Name	FUS
Gene Alias	CHOP, FUS-CHOP, FUS1, TLS, TLS/CHOP, hnRNP-P2
Gene Description	fusion (involved in t(12;16) in malignant liposarcoma)
Omim ID	137070
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a multifunctional protein component of the heterogeneous nuclear ribonucleoprotein (hnRNP) complex. The hnRNP complex is involved in pre-mRNA splicing and the export of fully processed mRNA to the cytoplasm. This protein belongs to the FET family of RNA-binding proteins which have been implicated in cellular processes that include regulation of gene expression, maintenance of genomic integrity and mRNA/microRNA processing. Alternative splicing results in multiple transcript variants. Defects in this gene result in amyotrophic lateral sclerosis type 6. [provided by RefSeq
Other Designations	FUS-CHOP fusion protein|FUS-CHOP protein fusion|Fusion gene in myxoid liposarcoma|fus-like protein|fus/tls-chop oncogene|heterogeneous nuclear ribonucleoprotein P2|translocated in liposarcoma

Pathway

- MAPK signaling pathway

Disease

- Alzheimer disease
- Amyotrophic Lateral Sclerosis
- Azoospermia
- Cognition
- Cognition Disorders
- Diabetes Mellitus
- Diabetes Mellitus

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- Frontotemporal Dementia
- Frontotemporal Lobar Degeneration
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Infertility
- Kidney Failure
- Neoplasms
- Neuropsychological Tests
- Obesity
- Oligospermia
- Overweight
- Parkinsonian Disorders
- Prostate cancer

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