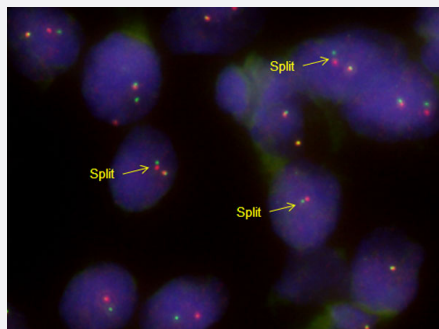


YWHAE Split FISH Probe

Catalog # FS0021

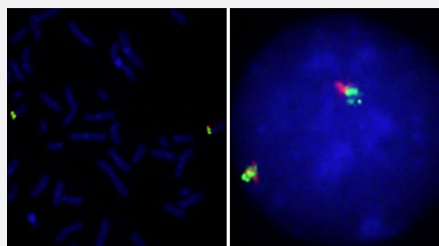
Size 200 uL, 100 uL

Applications



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

Human breast cancer (FFPE) stained with YWHAE Split FISH Probe. Human breast cancer showed YWHAE gene split.



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 split using Fluorescent In Situ Hybridization Technique. ([Technology](#)).

Probe 1	Name: YWHAE(TexRed) Size: Approximately 460kb Fluorophore: Texas Red Location: 17q13.3
Probe 2	Name: YWHAE(FITC) Size: Approximately 780kb Fluorophore: FITC Location: 17q13.3
Probe Gap	The gap between two probes is approximately 25 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 left image is chromosomes at metaphase, and the right image is an interphase nucleus.
Supplied Product	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:

Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

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

Human breast cancer (FFPE) stained with YWHAE Split FISH Probe. Human breast cancer showed YWHAE gene split.

[Protocol Download](#)

Gene Info — YWHAE

Entrez GeneID	7531
Gene Name	YWHAE
Gene Alias	14-3-3E, FLJ45465, KCIP-1, MDCR, MDS
Gene Description	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide
Omim ID	247200 605066
Gene Ontology	Hyperlink
Gene Summary	This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 100% identical to the mouse ortholog. It interacts with CD C25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. Two transcript variants, one protein-coding and the other non-protein-coding, have been found for this gene. [provided by RefSeq]
Other Designations	14-3-3 epsilon mitochondrial import stimulation factor L subunit protein kinase C inhibitor protein-1 tyrosine 3/tryptophan 5 -monooxygenase activation protein, epsilon polypeptide

Pathway

- [Cell cycle](#)
- [Neurotrophin signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)