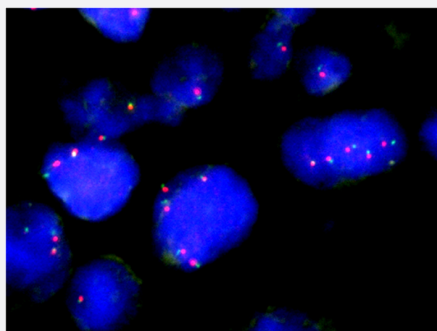


# UBE3A/CEN15q FISH Probe

Catalog # FG0025

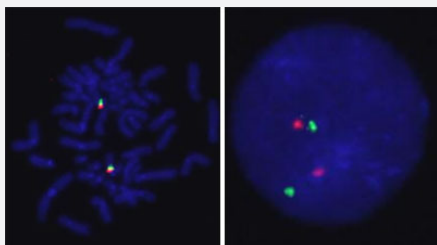
Size 200 uL, 100 uL

## Applications



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

Human breast cancer (FFPE) stained with UBE3A/CEN15q FISH Probe.  
Human breast cancer showed no UBE3A gene amplification



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

<b>Probe 1</b>	<b>Name:</b> UBE3A <b>Size:</b> Approximately 370kb <b>Fluorophore:</b> Texas Red <b>Location:</b> 15q11.2
<b>Probe 2</b>	<b>Name:</b> CEN15q <b>Size:</b> Approximately 680kb <b>Fluorophore:</b> FITC <b>Location:</b> 15q11.2
<b>Probe Gap</b>	The gap between two probes is approximately 5,700 kb.
<b>Origin</b>	Human
<b>Source</b>	Genomic DNA
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Notice</b>	We <b>strongly recommend</b> the customer to use FFPE FISH PreTreatment Kit 1 (Catalog #: <a href="#">KA2375</a> or <a href="#">KA2691</a> ) for the pretreatment of Formalin-Fixed Paraffin-Embedded (FFPE) tissue sections.
<b>Regulation Status</b>	For research use only (RUO)
<b>Quality Control Testing</b>	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.
<b>Supplied Product</b>	DAPI Counterstain (1500 ng/mL ) 125 uL for each 100 uL FISH Probe
<b>Storage Instruction</b>	Store at 4°C in the dark.
<b>Note</b>	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 UBE3A/CEN15q FISH Probe. Human breast cancer showed no UBE3A gene amplification

[Protocol Download](#)

## Gene Info — UBE3A

Entrez GeneID	<a href="#">7337</a>
Gene Name	UBE3A
Gene Alias	ANCR, AS, E6-AP, EPVE6AP, FLJ26981, HPVE6A
Gene Description	ubiquitin protein ligase E3A
Omim ID	<a href="#">105830 601623</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>This gene encodes an E3 ubiquitin-protein ligase, part of the ubiquitin protein degradation system . This imprinted gene is maternally expressed in brain and biallelically expressed in other tissues. Maternally inherited deletion of this gene causes Angelman Syndrome, characterized by severe motor and intellectual retardation, ataxia, hypotonia, epilepsy, absence of speech, and characteristic facies. The protein also interacts with the E6 protein of human papillomavirus types 16 and 18, resulting in ubiquitination and proteolysis of tumor protein p53. Alternative splicing of this gene results in three transcript variants encoding three isoforms with different N-termini. Additional transcript variants have been described, but their full length nature has not been determined. [provided by RefSeq]</p>
Other Designations	CTCL tumor antigen se37-2 human papilloma virus E6-associated protein oncogenic protein-associated protein E6-AP

## Pathway

- [Ubiquitin mediated proteolysis](#)

## Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [NARP](#)
- [Tuberculosis](#)