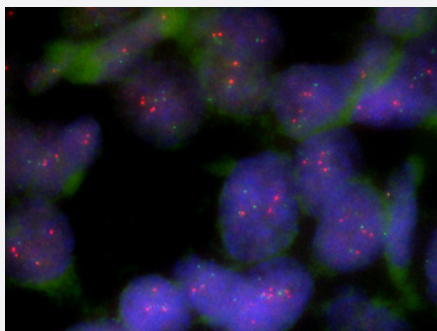


# AXL/CEN19q FISH Probe

Catalog # FG0088

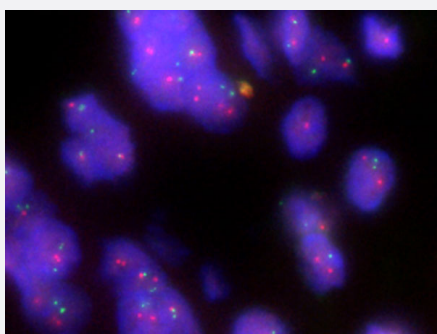
Size 200 uL, 100 uL

## Applications



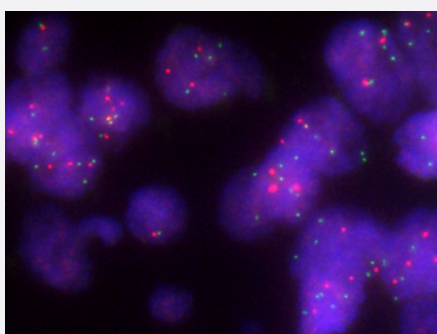
### Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

Human breast cancer (FFPE) stained with AXL/CEN19q FISH Probe. Human breast cancer showed no AXL gene amplification.



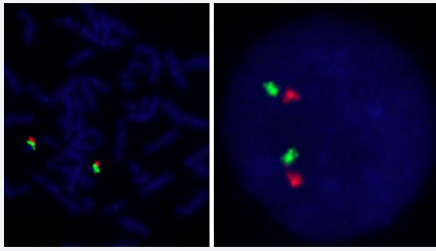
### Fluorescent *In Situ* Hybridization (Formalin/PFA-fixed paraffin-embedded sections)

Human hepatocellular carcinoma (FFPE) stained with AXL/CEN19q FISH Probe. Human hepatocellular carcinoma showed no AXL gene amplification.



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

Human lung adenocarcinoma (FFPE) stained with AXL/CEN19q FISH Probe. Human lung adenocarcinoma showed no AXL gene amplification.



## Hybridization position of the probes on the chromosome:

Hybridization position of the probes on the chromosome:

□

## Specification

<b>Product Description</b>	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. ( <a href="#">Technology</a> ).
<b>Probe 1</b>	<b>Name:</b> AXL <b>Size:</b> Approximately 290kb <b>Fluorophore:</b> TexRed <b>Location:</b> 19q13.2
<b>Probe 2</b>	<b>Name:</b> CEN19q <b>Size:</b> Approximately 430kb <b>Fluorophore:</b> FITC <b>Location:</b> 19q12
<b>Probe Gap</b>	The gap between two probes is approximately 11000 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)

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 AXL/CEN19q FISH Probe. Human breast cancer showed no AXL gene amplification.

[Protocol Download](#)

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

Human hepatocellular carcinoma (FFPE) stained with AXL/CEN19q FISH Probe. Human hepatocellular carcinoma showed no AXL gene amplification.

[Protocol Download](#)

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

Human lung adenocarcinoma (FFPE) stained with AXL/CEN19q FISH Probe. Human lung adenocarcinoma showed no AXL gene amplification.

[Protocol Download](#)

## Gene Info — AXL

Entrez GeneID	<a href="#">558</a>
Gene Name	AXL
Gene Alias	JTK11, UFO
Gene Description	AXL receptor tyrosine kinase

Omim ID [109135](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

The protein encoded by this gene is a member of the receptor tyrosine kinase subfamily. Although it is similar to other receptor tyrosine kinases, this protein represents a unique structure of the extracellular region that juxtaposes IgL and FNIII repeats. It transduces signals from the extracellular matrix into the cytoplasm by binding growth factors like vitamin K-dependent protein growth-arrest-specific gene 6. It is involved in the stimulation of cell proliferation and can also mediate cell aggregation by homophilic binding. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

**Other Designations** AXL transforming sequence/gene|oncogene AXL

## Publication Reference

- [AXL and MET Tyrosine Kinase Receptors Co-Expression as a Potential Therapeutic Target in Malignant Pleural Mesothelioma.](#)

Federica Zito Marino, Carminia Maria Della Corte, Vincenza Ciaramella, Stefania Erra, Andrea Ronchi, Alfonso Fiorelli, Giovanni Vicidomini, Mario Santini, Giosuè Scognamiglio, Floriana Morgillo, Fortunato Ciardiello, Renato Franco, Marina Accardo.

Journal of Personalized Medicine 2022 Dec; 12(12):1993.

Application: FISH, Human, Human mesothelioma

- [AXL Is a Novel Predictive Factor and Therapeutic Target for Radioactive Iodine Refractory Thyroid Cancer.](#)

Collina F, La Sala L, Liotti F, Prevete N, La Mantia E, Chiofalo MG, Aquino G, Arenare L, Cantile M, Liguori G, Di Gennaro F, Pezzullo L, Losito NS, Vecchio G, Botti G, Melillo RM, Franco R.

Cancers 2019 Jun; 11(6):E785.

Application: FISH-P, Human, Human thyroid cancer samples

## Disease

- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Stroke](#)