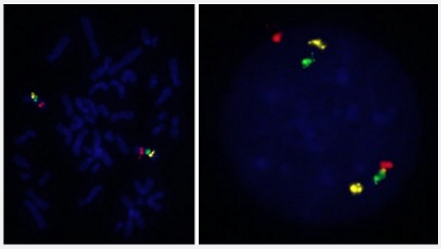
# EGFR/MET/CEN7q FISH Probe

Catalog # FG0205 Size 200 uL

## Applications



Hybridization position of the probes on the chromosome.

Hybridization position of the probes on the chromosome.

## Specification

| | |
|---|---|
| **Probe 2** | **Name:** MET(c-met)<br>**Size:** Approximately 270kb<br>**Fluorophore:** TexRed<br>**Location:** 7q31 |
| **Product Description** | Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization T echnique. (Technology). |
| **Probe 1** | **Name:** EGFR<br>**Size:** Approximately 320kb<br>**Fluorophore:** R6G<br>**Location:** 7q12 |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Probe 3** | **Name:** CEN7q<br>**Size:** Approximately 800kb<br>**Fluorophore:** FITC<br>**Location:** 7q11.21 |
| **Origin** | Human |
| **Source** | Genomic DNA |
| **Reactivity** | Human |
| **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 triple 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 ) 250 uL |
| **Storage Instruction** | Store at 4°C in the dark. |
| **Note** | Hybridization position of the probes on the chromosome.<br>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 — EGFR

| | |
|---|---|
| **Entrez GeneID** | 1956 |
| **Gene Name** | EGFR |
| **Gene Alias** | ERBB, ERBB1, HER1, PIG61, mENA |
| **Gene Description** | epidermal growth factor receptor (erythroblastic leukemia viral (v-erb-b) oncogene homolog, avian ) |
| **Omim ID** | 131550 211980 |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protei n kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a lig and induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation . Mutations in this gene are associated with lung cancer. [provided by RefSeq |
| **Other Designations** | avian erythroblastic leukemia viral (v-erb-b) oncogene homolog\|cell growth inhibiting protein 40\|ce ll proliferation-inducing protein 61\|epidermal growth factor receptor |

## Gene Info — MET

| | |
|---|---|
| **Entrez GeneID** | 4233 |
| **Gene Name** | MET |
| **Gene Alias** | AUTS9, HGFR, RCCP2, c-Met |
| **Gene Description** | met proto-oncogene (hepatocyte growth factor receptor) |
| **Omim ID** | 114550 164860 605074 611015 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The proto-oncogene MET product is the hepatocyte growth factor receptor and encodes tyrosine-kinase activity. The primary single chain precursor protein is post-translationally cleaved to produc e the alpha and beta subunits, which are disulfide linked to form the mature receptor. Various mut ations in the MET gene are associated with papillary renal carcinoma. Two transcript variants enc oding different isoforms have been found for this gene. [provided by RefSeq |
| **Other Designations** | HGF receptor\|OTTHUMP00000069168\|SF receptor\|met proto-oncogene\|met proto-oncogene tyr osine kinase\|oncogene MET\|scatter factor receptor |

## Pathway

- Adherens junction
- Adherens junction
- Axon guidance
- Bladder cancer
- Calcium signaling pathway
- Colorectal cancer

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Colorectal cancer
- Cytokine-cytokine receptor interaction
- Cytokine-cytokine receptor interaction
- Dorso-ventral axis formation
- Endocytosis
- Endocytosis
- Endometrial cancer
- Epithelial cell signaling in Helicobacter pylori infection
- Epithelial cell signaling in Helicobacter pylori infection
- ErbB signaling pathway
- Focal adhesion
- Focal adhesion
- Gap junction
- Glioma
- GnRH signaling pathway
- MAPK signaling pathway
- Melanoma
- Melanoma
- Non-small cell lung cancer
- Pancreatic cancer
- Pathways in cancer
- Pathways in cancer
- Prostate cancer
- Regulation of actin cytoskeleton
- Renal cell carcinoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

## Disease

- Adenocarcinoma
- Adenocarcinoma
- Anus Neoplasms
- Asthma
- Astrocytoma
- Atherosclerosis
- Autistic Disorder
- Barrett Esophagus
- Bile Duct Neoplasms
- Biliary Tract Neoplasms
- Bipolar Disorder
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Carcinoma
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Cell Transformation
- Cell Transformation
- Central Nervous System Neoplasms
- Cervical Intraepithelial Neoplasia
- Child Development Disorders
- Cholangiocarcinoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Chromosome Aberrations
- Chromosome Deletion
- Chronic Disease
- Cleft Lip
- Cleft Palate
- Cocarcinogenesis
- Cognition Disorders
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Cystadenocarcinoma
- Diabetes Mellitus
- Diarrhea
- Disease Progression
- Disease Progression
- Disease Susceptibility
- DNA Damage
- Drug Eruptions
- Drug Toxicity
- Edema
- Endometrial Neoplasms
- Endometriosis
- Esophageal Neoplasms
- Exanthema
- Gastrointestinal Diseases
- Genetic Diseases

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Glioblastoma
- Glioma
- Head and Neck Neoplasms
- Head and Neck Neoplasms
- Hepatitis C
- HIV Infections
- Hyperparathyroidism
- Hyperparathyroidism
- Hypersensitivity
- Hypopharyngeal Neoplasms
- Kidney Failure
- Kidney Neoplasms
- Liver Diseases
- Liver Neoplasms
- Lung carcinoma
- Lung Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lymphatic Metastasis
- Mental Disorders
- Mouth Neoplasms
- Myoma
- Myopia
- Nasal Polyps

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neoplasms
- Neuropsychological Tests
- Osteosarcoma
- Otorhinolaryngologic Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Pancreatic cancer
- Pancreatic cancer
- Pancreatic Neoplasms
- Pancreatic Neoplasms
- Papillomavirus Infections
- Polycystic Kidney
- Polycystic kidney disease
- Precancerous Conditions
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Pulmonary Disease
- Pulmonary Disease

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Ras oncogene
- Rectal Neoplasms
- Recurrence
- Refractive Errors
- Rhinitis
- Schizophrenia
- Sinusitis
- Skin Neoplasms
- Skin Neoplasms
- Small Cell Lung Carcinoma
- Stomach Neoplasms
- Thyroid Neoplasms
- Tongue Neoplasms
- Tonsillar Neoplasms
- Urinary Bladder Neoplasms
- Urinary Bladder Neoplasms
- Urinary Calculi
- Uterine Cervical Neoplasms
- Uterine Neoplasms
- Viremia
- Werner syndrome
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.