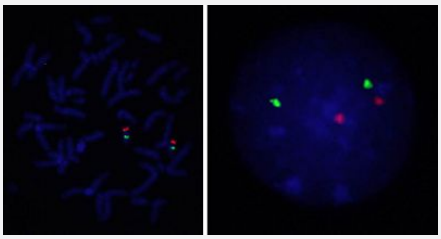
Sm Size

ABCC1/CEN16q FISH Probe

Catalog # FG0141 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 amplification using Fluorescent In Situ Hybridization T echnique. (Technology).
Probe 1	**Name:** ABCC1 **Size:** Approximately 410kb **Fluorophore:** Texas Red **Location:** 16q21
Probe 2	**Name:** CEN16q **Size:** Approximately 700kb **Fluorophore:** FITC **Location:** 16q12.1
Probe Gap	The gap between two probes is approximately 32,500 kb

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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 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 — ABCC1

Entrez GeneID	4363
Gene Name	ABCC1
Gene Alias	ABC29, ABCC, DKFZp686N04233, DKFZp781G125, GS-X, MRP, MRP1
Gene Description	ATP-binding cassette, sub-family C (CFTR/MRP), member 1
Omim ID	158343
Gene Ontology	Hyperlink

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Gene Summary	The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra-and intra-cellular membrane s. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This full transporter is a member of the MRP subfamily which is involved in multi-d rug resistance. This protein functions as a multispecific organic anion transporter, with oxidized gl utatione, cysteinyl leukotrienes, and activated aflatoxin B1 as substrates. This protein also transpo rts glucuronides and sulfate conjugates of steroid hormones and bile salts. Alternative splicing by exon deletion results in several splice variants but maintains the original open reading frame in all forms. [provided by RefSeq
Other Designations	ATP-binding cassette, sub-family C, member 1|LTC4 transporter|OTTHUMP00000045904|leukot riene C(4) transporter|multidrug resistance protein|multiple drug resistance protein 1|multiple drug resistance-associated protein

Pathway

- ABC transporters

Disease

- Adenocarcinoma
- Arthritis
- Asthma
- Atherosclerosis
- Breast cancer
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Cerebral Hemorrhage
- Colorectal Neoplasms
- Coronary Artery Disease
- Cystadenocarcinoma
- Cystic fibrosis
- Diabetes Mellitus

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- Disease Progression
- Drug Toxicity
- Edema
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Heart Diseases
- HIV Seropositivity
- Hypertension
- Intracranial Hemorrhages
- Kidney Diseases
- Kidney Failure
- Leukemia
- Lung Neoplasms
- Multiple Myeloma
- Neutropenia
- Ovarian cancer
- Ovarian Neoplasms
- Psoriasis
- Pulmonary Disease
- Recurrence
- Stroke
- Subarachnoid Hemorrhage

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