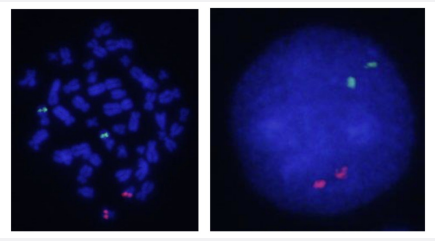
Sm Size

API2/MALT1 DY Translocation FISH Probe

Catalog # FT0049 Size 100 uL, 200 uL

Applications



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.

Hybridization position of the probes on the chromosome.

Hybridization position of the probes on the chromosome.

Specification

Probe 1	**Name:** API2 **Size:** Approximately 1350kb **Fluorophore:** FITC **Location:** 11q21
Probe 2	**Name:** MALT1 **Size:** Approximately 890kb **Fluorophore:** TexRed **Location:** 18q21
Regulation Status	For research use only (RUO)
Source	Genomic DNA

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Origin	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.
Self-Attestation	Abnova self-attests to comply with the U.S. Framework for Nucleic Acid Synthesis Screening
Product Description	Labeled FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization T echnique. (Technology).
Reactivity	Human
Form	Liquid
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. 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.
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 (Formalin/PFA-fixed paraffin-embedded sections)

  Protocol Download

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — BIRC3

Entrez GeneID	330
Gene Name	BIRC3
Gene Alias	AIP1, API2, CIAP2, HAIP1, HIAP1, MALT2, MIHC, RNF49
Gene Description	baculoviral IAP repeat-containing 3

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Omim ID	601721
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of a family of proteins that inhibits apoptosis by bi nding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2, probably by interf ering with activation of ICE-like proteases. The encoded protein inhibits apoptosis induced by ser um deprivation but does not affect apoptosis resulting from exposure to menadione, a potent indu cer of free radicals. The amino acid sequence predicts three baculovirus IAP repeat domains and a ring finger domain. Transcript variants encoding the same isoform have been identified. [provid ed by RefSeq
Other Designations	TNFR2-TRAF signaling complex protein|apoptosis inhibitor 2|baculoviral IAP repeat-containing pr otein 3|inhibitor of apoptosis protein 1|mammalian IAP homolog C

Gene Info — MALT1

Entrez GeneID	10892
Gene Name	MALT1
Gene Alias	DKFZp434L132, MLT, MLT1
Gene Description	mucosa associated lymphoid tissue lymphoma translocation gene 1
Omim ID	604860
Gene Ontology	Hyperlink
Gene Summary	This gene has been found to be recurrently rearranged in chromosomal translocation with two oth er genes - baculoviral IAP repeat-containing protein 3 (also known as apoptosis inhibitor 2) and i mmunoglobulin heavy chain locus - in mucosa-associated lymphoid tissue lymphomas. The protei n encoded by this gene may play a role in NF-kappaB activation. Two alternatively spliced transcri pt variants encoding different isoforms have been described for this gene. [provided by RefSeq
Other Designations	MALT associated translocation|MALT-lymphoma associated translocation|caspase-like protein|m ucosa associated lymphoid tissue lymphoma translocation protein 1|paracaspase

Pathway

- Apoptosis
- B cell receptor signaling pathway
- Focal adhesion
- Pathways in cancer

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- Small cell lung cancer
- T cell receptor signaling pathway
- Ubiquitin mediated proteolysis

Disease

- Adenocarcinoma
- Cardiovascular Diseases
- Diabetes Mellitus
- Ductus Arteriosus
- Edema
- Esophageal Neoplasms
- Gastritis
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Helicobacter Infections
- Infant
- Lung Neoplasms
- Lymphoma
- Pulmonary Disease
- Stomach Neoplasms
- Urinary Bladder Neoplasms
- Werner syndrome

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