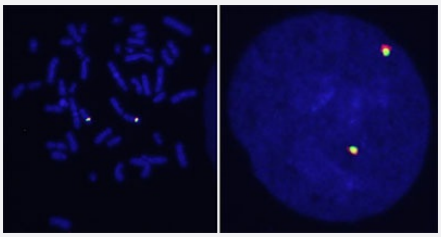
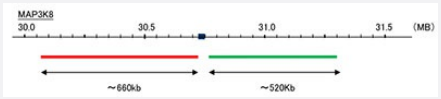
MAP3K8 Split FISH Probe

Catalog # FS0111 Size 100 uL

Applications





Hybridization position of the probes on the chromosome.

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Specification

Product Description	Labeled FISH probes for identification of gene split using Fluorescent In Situ Hybridization Technique. (Technology).
Probe 1	**Name:** MAP3K8 **Size:** Approximately 660kb **Fluorophore:** Texas Red **Location:** 10p11.23
Probe 2	**Name:** MAP3K8 **Size:** Approximately 520kb **Fluorophore:** FITC **Location:** 10p11.23
Origin	Human

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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.
Regulatory 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 — MAP3K8

Entrez GeneID	1326
Gene Name	MAP3K8
Gene Alias	COT, EST, ESTF, FLJ10486, TPL2, Tpl-2, c-COT
Gene Description	mitogen-activated protein kinase kinase kinase 8
Omim ID	191195 211980
Gene Ontology	Hyperlink

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Gene Summary	This gene was identified by its oncogenic transforming activity in cells. The encoded protein is a member of the serine/threonine protein kinase family. This kinase can activate both the MAP kina se and JNK kinase pathways. This kinase was shown to activate IkappaB kinases, and thus induc e the nuclear production of NF-kappaB. This kinase was also found to promote the production of TNF-alpha and IL-2 during T lymphocyte activation. Studies of a similar gene in rat suggested the direct involvement of this kinase in the proteolysis of NF-kappaB1,p105 (NFKB1). This gene may also utilize a downstream in-frame translation start codon, and thus produce an isoform containing a shorter N-terminus. The shorter isoform has been shown to display weaker transforming activity. [provided by RefSeq
Other Designations	Cancer Osaka thyroid oncogene|Ewing sarcoma transformant|OTTHUMP00000019392|OTTHU MP00000019393|cot (cancer Osaka thyroid) oncogene|proto-oncogene serine/threoine protein ki nase|tumor progression locus-2

Pathway

- MAPK signaling pathway
- T cell receptor signaling pathway
- Toll-like receptor signaling pathway

Disease

- Alzheimer Disease
- Genetic Predisposition to Disease
- Tobacco Use Disorder

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