NUP98(Texas Red)/CEN11p(FITC) FISH Probe

Catalog # FA0559 Size 200 uL

Specification

Product Description	Made to order FISH probes for identification of gene amplification using Fluorescent In Situ Hybridization Technique. (Technology).
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)
Supplied Product	DAPI Counterstain (1500 ng/mL) 250 uL
Storage Instruction	Store at 4°C in the dark.

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Gene Info — NUP98

Entrez GeneID	4928
Gene Name	NUP98
Gene Alias	ADIR2, NUP196, NUP96
Gene Description	nucleoporin 98kDa

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Omim ID	601021
Gene Ontology	Hyperlink
Gene Summary	Signal-mediated nuclear import and export proceed through the nuclear pore complex (NPC), whi ch is comprised of approximately 50 unique proteins collectively known as nucleoporins. The 98 k D nucleoporin is generated through a biogenesis pathway that involves synthesis and proteolytic c leavage of a 186 kD precursor protein. This cleavage results in the 98 kD nucleoporin as well as a 96 kD nucleoporin, both of which are localized to the nucleoplasmic side of the NPC. Rat studie s show that the 98 kD nucleoporin functions as one of several docking site nucleoporins of transp ort substrates. The human gene has been shown to fuse to several genes following chromsome tr anslocatons in acute myelogenous leukemia (AML) and T-cell acute lymphocytic leukemia (T-ALL). This gene is one of several genes located in the imprinted gene domain of 11p15.5, an importa nt tumor-suppressor gene region. Alterations in this region have been associated with the Beckwi th-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. Alternative splicing of this gene results in several transcript variants; h owever, not all variants have been fully described. [provided by RefSeq
Other Designations	GLFG-repeat containing nucleoporin|Nup98-Nup96|OTTHUMP00000013819|OTTHUMP000000 13967|nucleoporin 98kD

Disease

- Celiac Disease
- Genetic Predisposition to Disease

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