SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ALPL FISH Probe

Catalog # : FA0022 **規格 :** [200 uL]

List All

Specification

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

Applications

Fluorescent In Situ Hybridization (Cell)

Protocol Download

Gene Information

Entrez GeneID:	249
Gene Name:	ALPL
Gene Alias:	AP-TNAP,FLJ40094,FLJ93059,HOPS,MGC161443,MGC167935,TNAP,TNSALP
Gene Description:	alkaline phosphatase, liver/bone/kidney
Omim ID:	146300, 171760, 241500, 241510
Gene Ontology:	Hyperlink
Gene Summary:	There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The first three are located together on chromosome 2, while the tissue non-specific form is located on chromosome 1. The product of this gene is a membrane bound glycosylated enzyme that is not expressed in any particular tissue and is, therefore, referred to as the tissue-nonspecific form of the enzyme. The exact physiological function of the alkaline phosphatases is not known. A proposed function of this form of the enzyme is matrix mineralization; however, mice that lack a functional form of this enzyme show normal skeletal development. This

Application Image

Fluorescent In Situ Hybridization (Cell)

enzyme has been linked directly to hypophosphatasia, a disorder that is characterized by hypercalcemia and includes skeletal defects. The character of this disorder can vary, however, depending on the specific mutation since this determines age of onset and severity of symptoms. Alternatively spliced transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq

Other Designations: OTTHUMP00000002971,OTTHUMP00000002972,alkaline phosphatase, tissue-nonspecific isozyme,alkaline phosphomonoesterase,glycerophosphatase,liver/bone/kidney-type alkaline phosphatase,tissue non-specific alkaline phosphatase,tissue-nonspecific ALP

Gene Pathway

Folate biosynthesis gamma-Hexachlorocyclohexane degradation Metabolic pathways

Related Disease

Alzheimer Disease Alzheimer disease Cardiovascular Diseases Chondrocalcinosis Diabetes Complications Fractures, Bone Genetic Predisposition to Disease Hypertension Hypophosphatasia Kidney Failure, Chronic Metabolic Syndrome X Neoplasms Osteoporosis Osteoporosis, Postmenopausal Spondylitis, Ankylosing Tobacco Use Disorder