CTSB1(Texas Red)/CEN8p(FITC) FISH Probe

Catalog # FA0542 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 — CTSB

Entrez GeneID	1508
Gene Name	CTSB
Gene Alias	APPS, CPSB
Gene Description	cathepsin B

Omim ID	116810
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a lysosomal cysteine proteinase composed of a dimer of disulfide-linked heavy and light chains, both produced from a single protein precursor. It is also known as amyloid precursor protein secretase and is involved in the proteolytic processing of amyloid precursor protein (APP). Incomplete proteolytic processing of APP has been suggested to be a causative factor in Alzheimer disease, the most common cause of dementia. Overexpression of the encoded protein, which is a member of the peptidase C1 family, has been associated with esophageal adenocarcinoma and other tumors. At least five transcript variants encoding the same protein have been found for this gene. [provided by RefSeq
Other Designations	APP secretase|OTTHUMP00000116009|amyloid precursor protein secretase|cathepsin B1|cysteine protease|preprocathepsin B

Pathway

- Antigen processing and presentation
- Lysosome

Disease

- Adenocarcinoma
- Calcinosis
- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Kidney Failure
- Pancreatitis
- Prostatic Neoplasms
- Urinary Bladder Neoplasms