# EPHA2(Texas Red)/CEN1p(FITC) FISH Probe

Catalog # FA0483 Size 200 uL

## Specification

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| **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 — EPHA2

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| **Entrez GeneID** | 1969 |
| **Gene Name** | EPHA2 |
| **Gene Alias** | ECK |
| **Gene Description** | EPH receptor A2 |

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| **Omim ID** | 176946 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in th e nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an e xtracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin rece ptors are divided into 2 groups based on the similarity of their extracellular domain sequences an d their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. [provided by RefSeq |
| **Other Designations** | ephrin receptor EphA2\|epithelial cell receptor protein tyrosine kinase\|protein tyrosine kinase\|rece ptor protein tyrosine kinase regulated by p53 and E2F-1\|soluble EPHA2 variant 1 |

## Pathway

- Axon guidance

## Disease

- Cataract
- Genetic Predisposition to Disease
- Hearing Loss