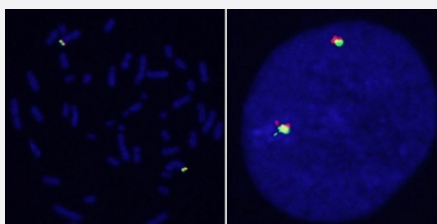


VHL Split FISH Probe

Catalog # FS0089 Size 200 uL, 100 uL

Applications



Hybridization position of the probes on the chromosome.

Hybridization position of the probes on the chromosome.

□

Specification

Product Description	Labeled FISH probes for identification of gene split using Fluorescent In Situ Hybridization Technique. (Technology).
Probe 1	Name: VHL Size: Approximately 510kb Fluorophore: Texas Red Location: 3p25.3
Probe 2	Name: VHL Size: Approximately 640kb Fluorophore: FITC Location: 3p25.3
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.
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 left image is chromosomes at metaphase, and the right image is an interphase nucleus.
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.

Applications

- Fluorescent In Situ Hybridization (Cell)

[Protocol Download](#)

Gene Info — VHL

Entrez GeneID	7428
Gene Name	VHL
Gene Alias	HRCA1, RCA1, VHL1
Gene Description	von Hippel-Lindau tumor suppressor
Omim ID	144700 171300 193300 263400 608537
Gene Ontology	Hyperlink
Gene Summary	Von Hippel-Lindau syndrome (VHL) is a dominantly inherited familial cancer syndrome predisposing to a variety of malignant and benign tumors. A germline mutation of this gene is the basis of familial inheritance of VHL syndrome. The protein encoded by this gene is a component of the protein complex that includes elongin B, elongin C, and cullin-2, and possesses ubiquitin ligase E3 activity. This protein is involved in the ubiquitination and degradation of hypoxia-inducible-factor (HIF), which is a transcription factor that plays a central role in the regulation of gene expression by oxygen. RNA polymerase II subunit POLR2G/RPB7 is also reported to be a target of this protein. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

Other Designations

elongin binding protein

Pathway

- [Pathways in cancer](#)
- [Renal cell carcinoma](#)
- [Ubiquitin mediated proteolysis](#)

Disease

- [Adenocarcinoma](#)
- [Adrenal Gland Neoplasms](#)
- [Altitude Sickness](#)
- [Anoxia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Central Nervous System Neoplasms](#)
- [Cerebellar Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glomus Tumor](#)
- [Head and Neck Neoplasms](#)
- [Hemangioblastoma](#)
- [Hemangioma](#)

- [Hippel-Lindau Disease](#)
- [Hypertension](#)
- [Kidney Neoplasms](#)
- [Lymphoproliferative Disorders](#)
- [Multiple endocrine neoplasia](#)
- [Multiple Endocrine Neoplasia Type 2a](#)
- [Myelodysplastic Syndromes](#)
- [Neoplasms](#)
- [Neurofibromatosis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Paraganglioma](#)
- [Pheochromocytoma](#)
- [Polycythemia](#)
- [Retinal Neoplasms](#)
- [Syndrome](#)
- [Thrombosis](#)
- [Vascular Diseases](#)
- [von Hippel-Lindau Disease](#)
- [Von Hippel-Lindau syndrome](#)