FFPE FISH PreTreatment Kit 1

Catalog # KA2375 Size 1 Kit

Specification

Product Description	Pre-treatment is an essential step for effective FISH on Formalin-Fixed Paraffin-Embedded (FFPE) t issue sections. This kit contains key reagents used to pretreat FFPE tissue sections from dewaxing with xylene through proteolytic digestion to help permeabilization of cell membranes to facilitate pene tration of fluorescence labeled probes. After proteolytic digestion, proceed with subsequent steps wit h the FISH assay protocol.
Regulation Status	For research use only (RUO)
Supplied Products	Kit content: 1. **1x Paraffin Pretreatment Solution**, 500 mL 2. **Protease (Pepsin)**, 0.5 mL x 10 vials
Storage Instruction	After arrival, please store the **Paraffin Pretreatment Solution** at room temperature (RT), and store t he **Protease (Pepsin)** at -20°C.

Applications

- Fluorescent In Situ Hybridization (Cell)

  Protocol Download

Publication Reference

- STK3 is a transcriptional target of YAP1 and a hub component in the crosstalk between Hippo and Wnt signaling pathways during gastric carcinogenesis.

  Fuda Xie, Yang Lyu, Bonan Chen, Hoi Wing Leung, Peiyao Yu, Tiejun Feng, Canbin Fang, Alvin H K Cheung, Bin Zhou, Jianhui Jiang, Ge Zhang, Dazhi Xu, Liang Li, Chen Jiang, Jianwu Chen, Zhaocai Zhou, Liwei An, Bing Huang, Kangmin Zhuang, Xiaobei Luo, Kam Tong Leung, Ching Hei To, Brigette By Ma, Chi Chun Wong, William Kk Wu, Jun Yu, Ka Fai To, Wei Kang.

  Molecular Cancer 2025 Jul; 24(1):186.

  Application: FISH, Human, Human GC cell lines MKN1, MKN7, MKN28, and NCIN87

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- FOXP4 Is a Direct YAP1 Target That Promotes Gastric Cancer Stemness and Drives Metastasis.

  Xiaoli Liu, Bonan Chen, Fuda Xie, Kit Yee Wong, Alvin Ho-Kwan Cheung, Jinglin Zhang, Qian Wu, Canbin Fang, Jintao Hu, Shouyu Wang, Dazhi Xu, Jianwu Chen, Yuzhi Wang, Jun Yu, Huarong Chen, William K K Wu, Jun Yu, Michael W Y Chan, Chi Man Tsang, Kwok-Wai Lo, Gary M Tse, Ka Fai To, Wei Kang

  Cancer Res 2024 Nov; 84(21):3574-3588.

- Syndromic MEN1 parathyroid adenomas consist of both subclonal nodules and clonally independent tumors.

  Konstantin Bräutigam, Cédric Nesti, Philipp Riss, Christian Scheuba, Bruno Niederle, Tobias Grob, Annunziata Di Domenico, Maja Neuenschwander, Peter Mazal, Nastassja Köhn, Roman Trepp, Aurel Perren, Reto M Kaderli.

  Virchows Archiv : an International Journal of Pathology 2024 Jan; [Epub].

  Application: FISH, Human, parathyroid adenoma

- The E2F1-HOXB9/PBX2-CDK6 axis drives gastric tumorigenesis and serves as a therapeutic target in gastric cancer.

  Jinglin Zhang, Bonan Chen, Yifei Wang, Xiaoli Liu, Huan Yan, Kit Yee Wong, Aden K Y Chan, Alvin Hk Cheung, Chit Chow, Dazhi Xu, Shouyu Wang, Bing Huang, Li Liang, Huixing Ke, Chi Chun Wong, William Kk Wu, Alfred Sl Cheng, Jun Yu, Kwok-Wai Lo, Ka Fai To, Wei Kang

  J Pathol 2023 Aug; 260(4):402-416.

- Deficiency of PTEN and CDKN2A Tumor-Suppressor Genes in Conventional and Chondroid Chordomas: Molecular Characteristics and Clinical Relevance.

  Chenlong Yang, Jianjun Sun, Lei Yong, Chen Liang, Tie Liu, Yulun Xu, Jun Yang, Xiaoguang Liu.

  OncoTargets and Therapy 2020 May; 13:4649.

  Application: FISH, Human, Chordoma

- Clinical significance of PD-1/PD-Ls gene amplification and overexpression in patients with hepatocellular carcinoma.

  Ma LJ, Feng FL, Dong LQ, Zhang Z, Duan M, Liu LZ, Shi JY, Yang LX, Wang ZC, Zhang S, Ding ZB, Ke AW, Cao Y, Zhang XM, Zhou J, Fan J, Wang XY, Gao Q.

  Theranostics 2018 Nov; 8(20):5690.

  Application: FISH, Human, Human hepatocellular carcinoma

- FGF19 genetic amplification as a potential therapeutic target in lung squamous cell carcinomas.

  Zhang X, Kong M, Zhang Z, Xu S, Yan F, Wei L, Zhou J.

  Thoracic Cancer 2017 Sep; 8(6):655.

  Application: FISH, Human, Human lung squamous cell carcinoma

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- Investigation of molecular alterations of AKT-3 in triple-negative breast cancer.

  O'Hurley G, Daly E, O'Grady A, Cummins R, Quinn C, Flanagan L, Pierce A, Fan Y, Lynn MA, Rafferty M, Fitzgerald D, Pont嘲 F, Duffy MJ, Jirström K, Kay EW, Gallagher WM.

  Histopathology 2014 Apr; 64(5):660.

  Application: FISH-P, Human, Breast cancer

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