

IsHyb In situ Hybridization (ISH) Kit

Excellent tool for localizing gene expression

Powerful Method for Gene Expression Analysis

In situ hybridization (ISH) is a powerful method for gene expression analysis. ISH is an excellent technique for identifying specific mRNA expression within individual cells or tissue sections. It also provides insights into physiological processes and disease pathogenesis by revealing the location of specific nucleic acid sequences on chromosomes or in tissues. Biochain's high-quality IsHyb In situ Hybridization kit is fully customizable for gene related studies. This all-in-one kit provides all the reagents you need including: hybridization buffer, wash buffers, blocking solution, anti-digoxigenin antibody, and NBT/BCIP solution for color development.

Applications:

- Identify specific mRNA expression within individuals cells or tissue sections
- Examine spatial microRNA expression
- Developmental expression analysis
- Evaluate biomarkers in diseased samples

Key Features

- Ready-to-Use hybridization buffer
- High ratio of signal to background
- Non-isotopic detection of gene expression
- Use with either DNA or RNA probes
- Optimized buffers
- Compatible with Digoxigenin labeled probes
- Simple procedures

Results of BioChain's IsHyb In situ Hybridization Kit using a microRNA probe

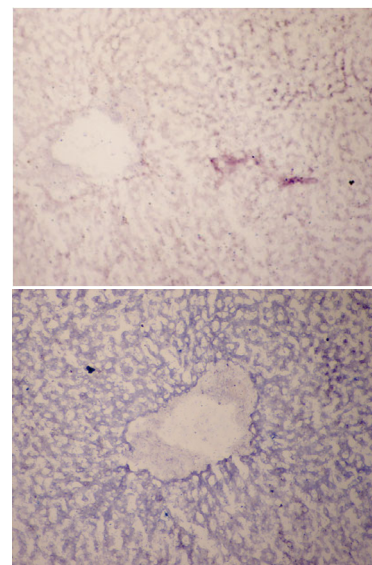


Figure 1. Human liver specific microRNA 122a probe was used to hybridize human liver tissue. Top: No probe control. Bottom: With 4 ng probe



Superior Sensitivity without radioactivity

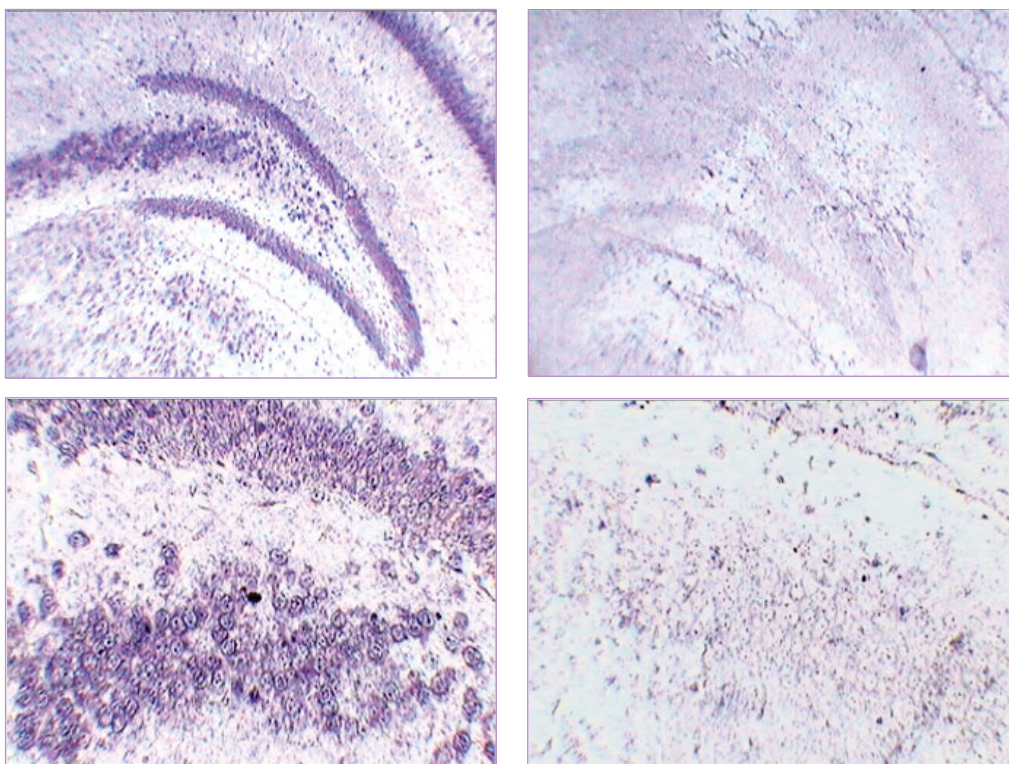


Fig. 1 In situ hybridization analysis of human hippocampus by BioChain's ISH kit. Upper panel: magnification 40x. Lower panel: magnification 100x. Left panel: antisense probe; Right panel: sense probe

Catalog No.	Product	Unit
K2191050-5	20X SSC	50 ml
K2191050-6	Alkaline Phosphate Buffer, 10x	50 ml
K2191050-4	BCIP	150 μ l
K2191050-8	Blocking Solution	250 μ l
K2191050-2	Hybridization Solution	5 ml
K2191020	IsHyb In Situ Hybridization (ISH) Kit for 20 slides	1 kit
K2191050	IsHyb In Situ Hybridization (ISH) Kit for 50 slides	1 kit
K2191050-3	NBT	300 μ l
K2191050-1	Prehybridization Solution	5 ml

Please inquire about our other kits and applications.