

RNA-Protein Co-detection Ancillary Kit



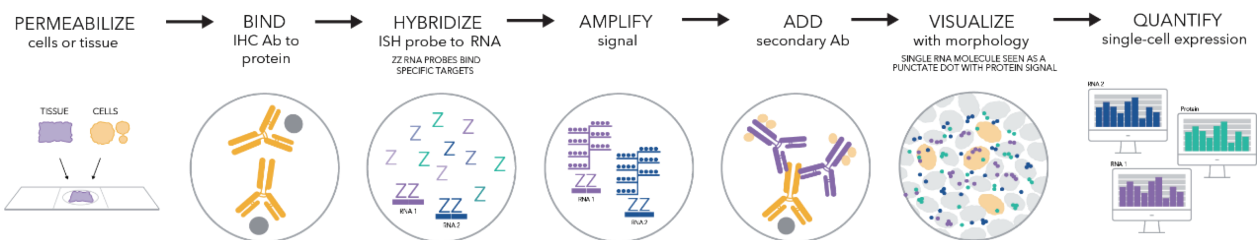
讓原位雜交檢測技術 成為您最好的工具



ACD推出的Co-detection Ancillary Kit是同時偵測RNA及Protein的新選擇，可以使抗體抗原結合位不受Protease影響，因此可以應用在更多IHC驗證過的抗體上。使研究人員可以在同一組織切片中同時得到RNA及Protein的資訊。

Co-detection Ancillary Kit包含了Target Retrieval Reagents、Antibody Diluent & Blocker。其中Antibody Diluent和其他抗體稀釋液相比，可以更好的保留RNA的訊號。

實驗流程



應用

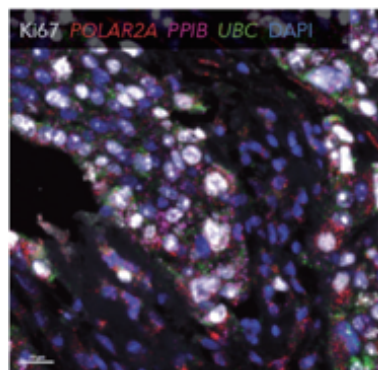
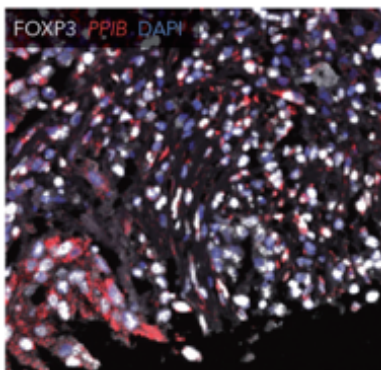
結合RNA和蛋白質可以

- 同時偵測病原體和宿主細胞標記
- 偵測目標細胞中的非編碼RNA (non-coding RNA)
- 確定分泌蛋白的細胞來源
- 可觀察細胞邊緣和目標RNA
- 研究RNA與蛋白質的關聯性
- 驗證抗體專一性

可搭配的Kit

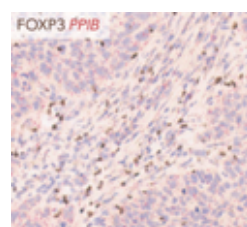
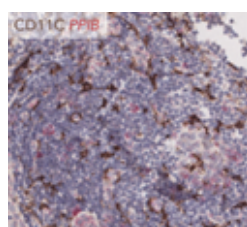
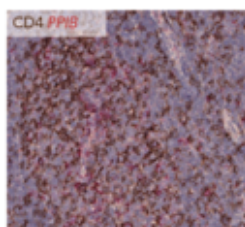
- RNAscope Multiplex Fluorescent v2 Assay
- RNAscope 2.5 HD RED Assay
- BaseScope v2 RED Assay

Product	Contents	Catalog
RNA-Protein Co-detection Ancillary Kit	• Co-detection Blocker • Co-detection Antibody Diluent • Co-detection Target Retrieval Reagents (10X)	323180



Co-detection of mRNA and protein using RNAscope ISH and IF

(A) FOXP3 protein visualized with PPIB mRNA. (B) Ki67 protein visualized with PPOLAR2A, PPIB and UBC mRNA



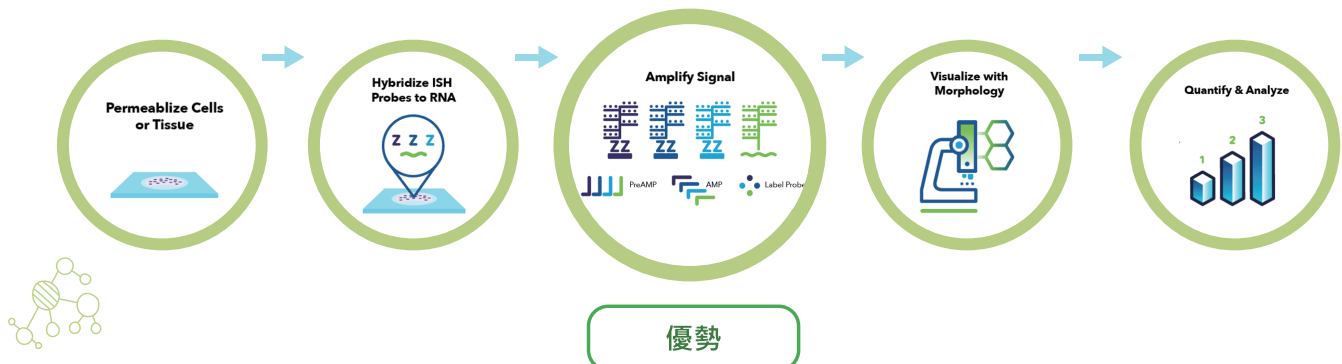
Co-detection of mRNA and protein using RNAscope ISH and IHC

Detection of protein markers in combination with PPIB mRNA using the RNAscope Red assay with brown chromogen

RNAscope™ Plus smRNA-RNA HD Reagents Kit

Advanced Cell Diagnostics miRNAscope ISH技術已成為定位細胞內源性miRNA和測量臨床前動物模型系統中治療性寡核苷酸運送效率的標準方法。而RNAscope Plus smRNA-RNA檢測，結合專利的RNAscope和miRNAscope ISH技術，可做為量化的新工具，應用於處理調控性RNAs後量化基因表現和細胞功能的變化，有助於優化治療效果和安全性。

實驗流程

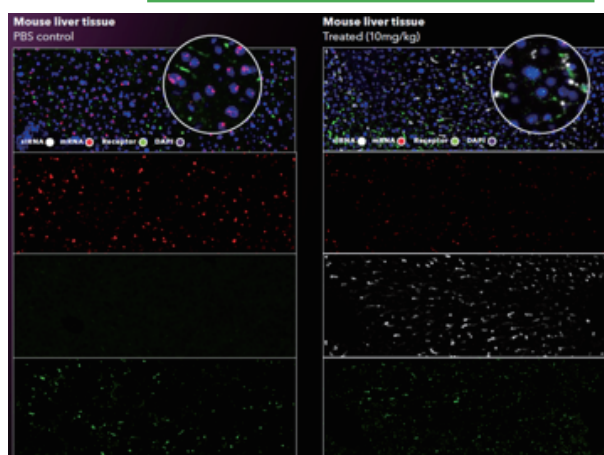


優勢

- 同時偵測1個小片段RNA以及3個目標mRNA
- 可以觀察ASO、miRNA、siRNA和其他長度為17-50 nt的小片段RNA以及3個目標RNA
- 觀察基因調控機制的同時亦保留組織型態學的資訊
- 驗證完整組織中的miRNA生物標誌物
- 評估小片段RNA治療運送機制
- 評估治療藥物的生物分佈和療效
- 為異質性組織的生物學研究增加視覺化的分析角度
- 結合ACD專利訊號放大系統和TSA™(Tyramide signal amplification)訊號放大技術



Product	Contents	Catalog
RNAscope™ Plus smRNA-RNA HD Reagents Kit	• RNAscope™ Plus smRNA-RNA HD Detection Kit • RNAscope™ Multiplex TSA Buffer • RNAscope™ Wash Buffer Reagents • RNAscope™ H2O2 and Protease Reagents	322785



siRNA mediated gene regulation of mRNA target in mouse liver tissue using the manual RNAscope Plus assay.

Seventy-two hours after dosing animals with the therapeutic siRNA, the efficacy of the siRNA mediated knockdown was evaluated in 5 um FFPE mouse liver tissue using the manual RNAscope Plus assay. The data demonstrates robust knockdown of the target mRNA in response to the siRNA therapy in the treated group as compared to the PBS control group.

