

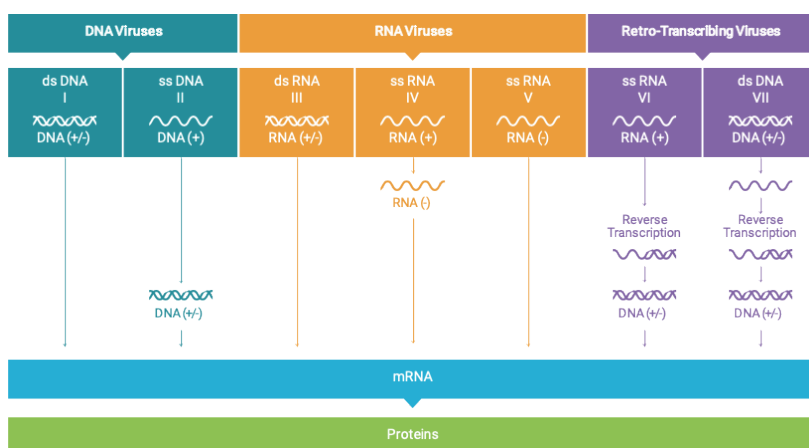
RNAscope® Probes for Viral Pathogens

ACD
a biotechnique brand

讓原位雜交檢測技術 成爲您最好的工具

早期檢測病毒病原體對於治療和遏止至關重要。RNA原位雜交技術(ISH)也可在腫瘤樣本中檢測病毒RNA，包括人類乳突病毒(HPV)和人類皰疹病毒第四型(EBV)。RNA ISH檢測病毒病原體可以做爲確定病原性疾病的有力工具。

常見的病毒偵測方式包含PCR、NGS和IHC等，雖然PCR和NGS是高靈敏的偵測方式，但卻無法得到組織學相關的資訊；而IHC可以觀察到組織學的資訊，但卻受限於抗體的靈敏度。相較之下，RNAscope®原位雜交技術提供高靈敏度、專一性的單細胞分子偵測檢測分式，可同時觀察細胞或組織的型態，是病毒檢測的理想選擇。



Single-molecule sensitivity

能夠檢測低病毒量中的單個病毒顆粒。

High specificity

在高同源性物種或病毒株中提供準確的檢測。

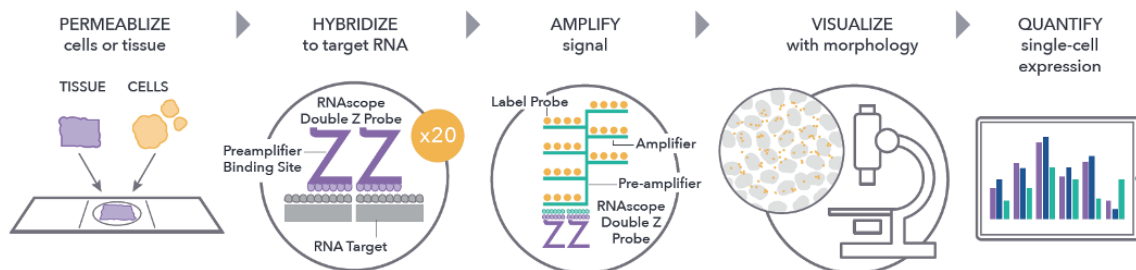
Viral localization

定位病毒能夠揭示病毒傳播、病原體-宿主相互作用、隱藏病毒庫等資訊。

Differential detection

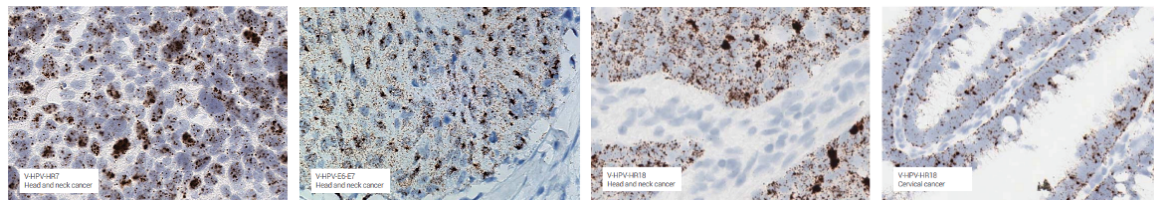
可針對病毒的正負股進行探針設計，區分不同的病毒感染時期。

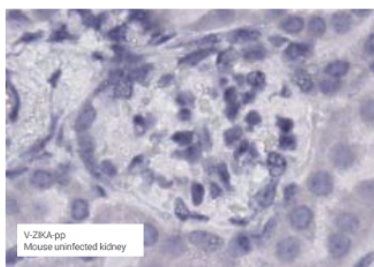
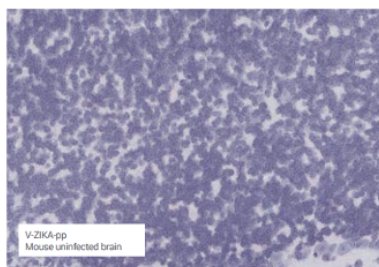
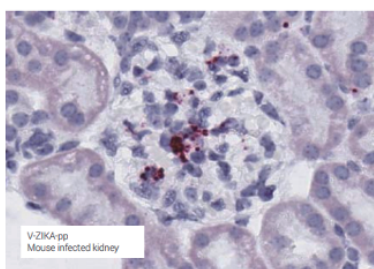
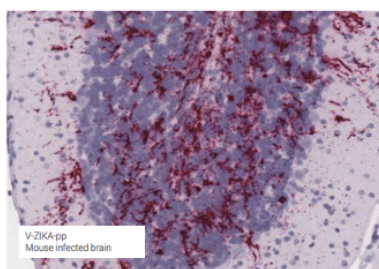
實驗流程



實驗成果

Detection of human papillomavirus (HPV) in human cancer samples using RNAscope® 2.5 HD assay-Brown





Detection of zika virus (zikv) solely in infected mouse samples using RNAscope® 2.5 HD assay-Red. No signals seen in uninfected samples

更多病毒探針清單



Adeno-associated virus
Alpaca polyomavirus
Andes virus
Avian infectious bronchitis virus
Bat hepadnavirus
Bat hepatovirus
Bovine astrovirus
Bovine papilloma virus
Bovine parvovirus
Canine bocavirus
Canine herpesvirus
Canine papilloma virus
Canine parvovirus
Cercopithecine herpes virus
Chikungunya virus
Circovirus
Citrus tristeza virus
Cynomolgus macaque cytomegalovirus
Dengue virus
Eastern equine encephalitis virus
Enterovirus
Equid herpesvirus
Equine arteritis virus
Felid herpesvirus
Feline immunodeficiency virus
Feline infectious peritonitis virus
Feline papillomavirus

Frog virus
Hedgehog hepatovirus
Hendra virus
Hepatitis A virus
Hepatitis B virus
Hepatitis C virus
Hepatitis D virus
Hepatitis E virus
Hepatitis GB virus
Human betacoronavirus
Human bocavirus
Human coronavirus
Human coxsackievirus
Human endogenous retrovirus
Human herpesvirus
Human immunodeficiency virus 1
Human papillomavirus
Human parechovirus
Human parvovirus
Human rhinovirus
Human T-lymphotropic virus 1
Influenza virus
Japanese encephalitis virus
Kirkovirus
Langat virus
Lassa virus

Lymphocytic choriomeningitis virus
Macacine herpesvirus
Marburg virus
Measles virus
Merkel cell polyomavirus
Middle East respiratory syndrome coronavirus
Mumps virus
Murine herpesvirus
Mus musculus papillomavirus
Newcastle disease virus
Nipah virus
Norovirus
Ovine herpesvirus
Parechovirus
Parvo-like virus
Phocoenid herpesvirus
Porcine astrovirus
Porcine parainfluenza virus
Powassan virus
Rabies virus
Raccoon polyomavirus
Respiratory syncytial virus
Retroperitoneal fibromatosis-associated herpesvirus
Rhesus cytomegalovirus

Rodent hepacivirus
Rodent hepatovirus
Rotavirus
Rubella virus
SARS coronavirus
Self-complementary adeno-associated virus
Seneca valley virus
Severe fever with thrombocytopenia syndrome virus
Shrew hepadnavirus
Shrew hepatovirus
Simian hemorrhagic fever virus
Simian immunodeficiency virus
Simian parvovirus
Simian virus 40
Sin Nombre hantavirus
Theiler's disease-associated virus
Vaccinia virus
Venezuelan equine encephalitis virus
Vesicular stomatitis Indiana virus
Yellow fever virus
Zaire ebolavirus
Zika virus

