NaveniFlex™ Tissue

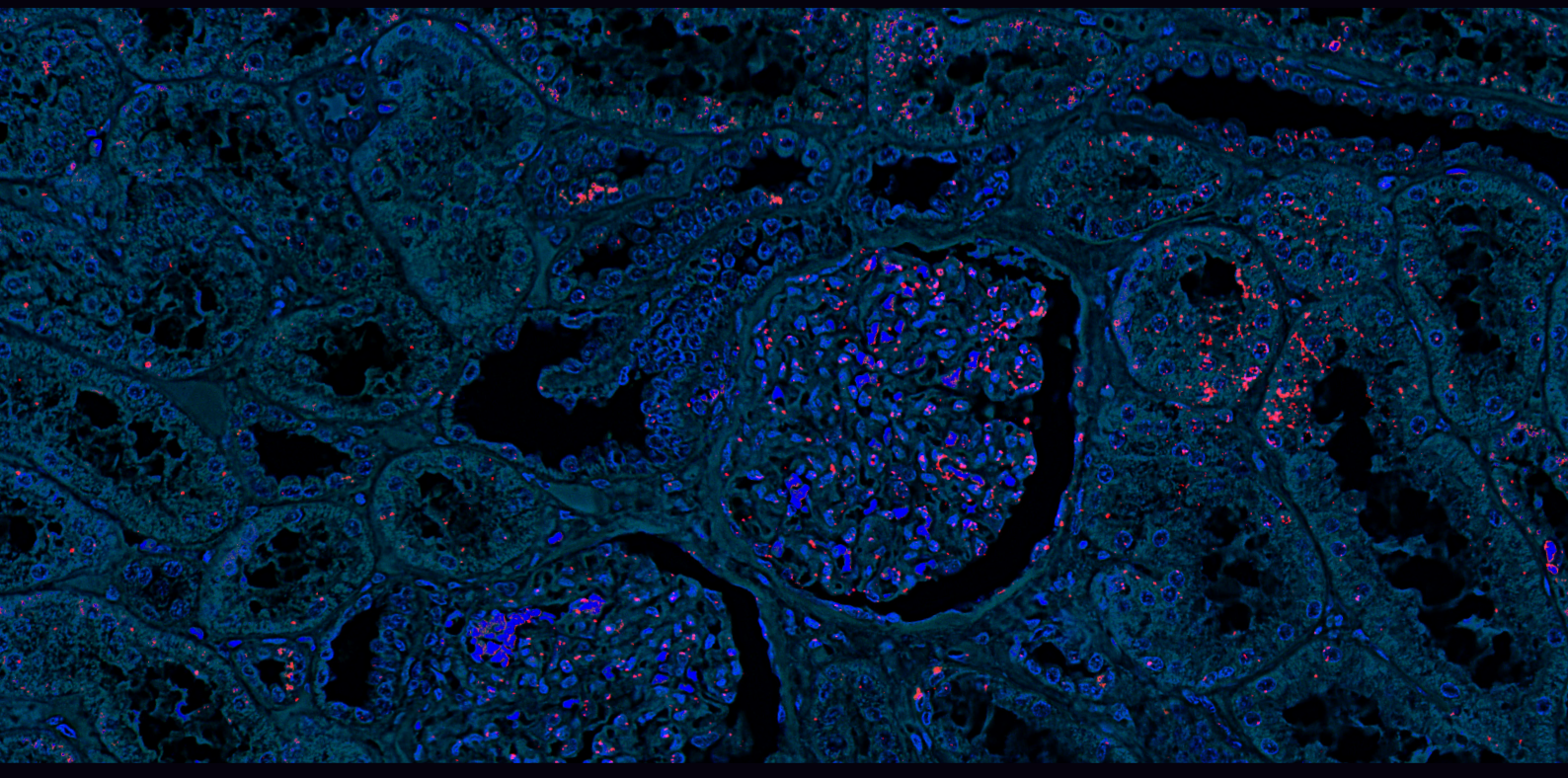
ILLUMINATING FUNCTION IN SPATIAL PROTEOMICS

An eye-opening solution for tissue samples

Looking for protein-protein interactions or post-translational modifications in tissues? We've got you covered. The advanced Naveni® *in situ* proximity ligation technology we developed for NaveniFlex™ Tissue kits is tailor-made to overcome common background challenges in tissue samples. The kits are optimized to deliver highly reproducible and accurate results even for the least abundant protein interactions.

NaveniFlex Tissue enables you to:

- Study protein-protein interactions in tissue samples
- Detect low abundant proteins *in situ*
- Visualize signals that would otherwise be obscured by background
- Analyze protein interplay in intact tissue morphology



Interaction of Podocalyxin/Ezrin in human kidney glomeruli, 20x. Interaction in red and nuclei in blue.

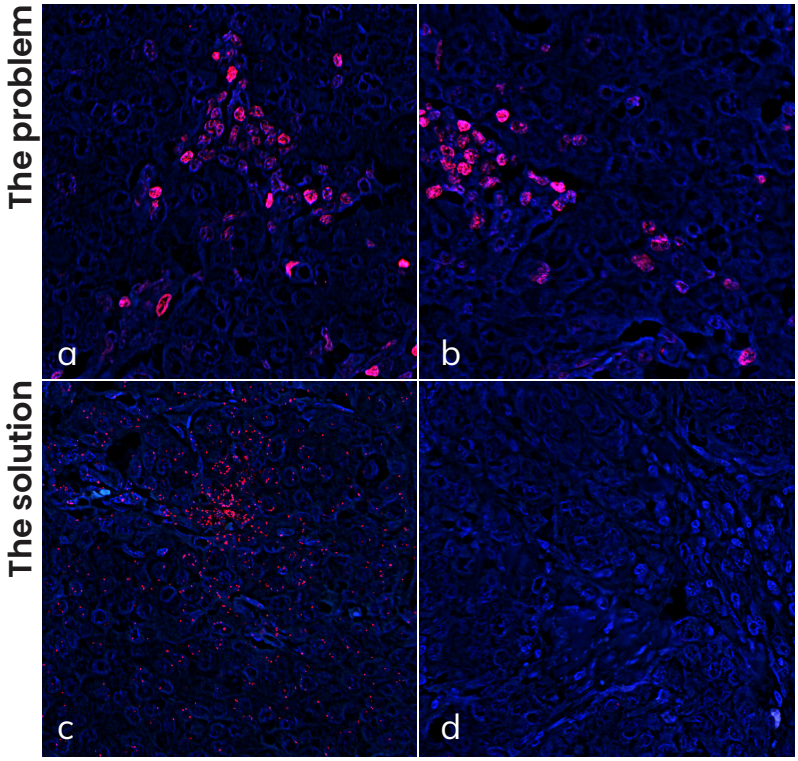
What is new?

Tissues are complex multicellular structures where fluorescently labeled detection reagents have been observed to bind unspecifically. To address this unspecific binding, we have developed a new proprietary solution for fluorescent detection of protein-protein interactions (PPI) and post-translational modifications (PTM) in FFPE and frozen human and mouse tissues.

FOR MORE INFORMATION OR TO PLACE AN ORDER, VISIT WWW.NAVINCI.SE/PRODUCTS
Email: contact@navinci.se

Navinci

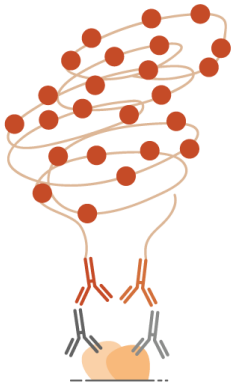
Uppsala March 6, 2024



This commercial *in situ* proximity ligation kit X (a, b) was used for Podocalyxin/Ezrin staining in human FFPE breast cancer tissue. The kit produces similar stain in both the positive (a) and the technical negative control (b) due to high background (hazy red staining) which obscures proximity signal.

In contrast, **NaveniFlex Tissue** visualizes the Podocalyxin/Ezrin interactions clearly (discrete red specks), free of background (c), and leaves the technical negative control blank (d) in FFPE breast cancer tissue. A picture does say more than a thousand words!

The **NaveniFlex™ Tissue** kit includes two Navenibodies conjugated to proprietary oligo arms (depicted as orange antibodies in the illustration to the right). Only if the Navenibodies are in close proximity will they generate a rolling circle amplification reaction, leading to a strong and distinct dot that is easily quantifiable. Buffers and detection reagents are included.



Ordering information

Product	Code	Read out	Primary antibodies required
NaveniFlex Tissue* MR Red/Atto647N	NT.MR.100 Red/Atto647N	Fluorescence	Mouse & Rabbit
NaveniFlex Tissue* GR Red/Atto647N	NT.GR.100 Red/Atto647N	Fluorescence	Goat & Rabbit
NaveniFlex Tissue* GM Red/Atto647N	NT.GM.100 Red/Atto647N	Fluorescence	Goat & Mouse
Naveni Control Kit	NF.CK.MR		Primary abs included
NaveniFlex Cell** MR Red/Atto647N	NC.MR.100 Red/Atto647N	Fluorescence	Mouse & Rabbit
NaveniFlex Cell** GR Red/Atto647N	NC.GR.100 Red/Atto647N	Fluorescence	Goat & Rabbit
NaveniFlex Cell** GM Red/Atto647N	NC.GM.100 Red/Atto647N	Fluorescence	Goat & Mouse

Kit size: 4 ml working solution
* Validated for human and mouse FFPE and FF tissue samples
** Validated for FFPE and fresh formaldehyde-fixated cultured cells

NaveniLink	NL.050	For conjugation of primary antibodies (50 µg)

Navinci

FOR MORE INFORMATION OR TO PLACE AN ORDER, VISIT WWW.NAVINCI.SE/PRODUCTS
Email: contact@navinci.se