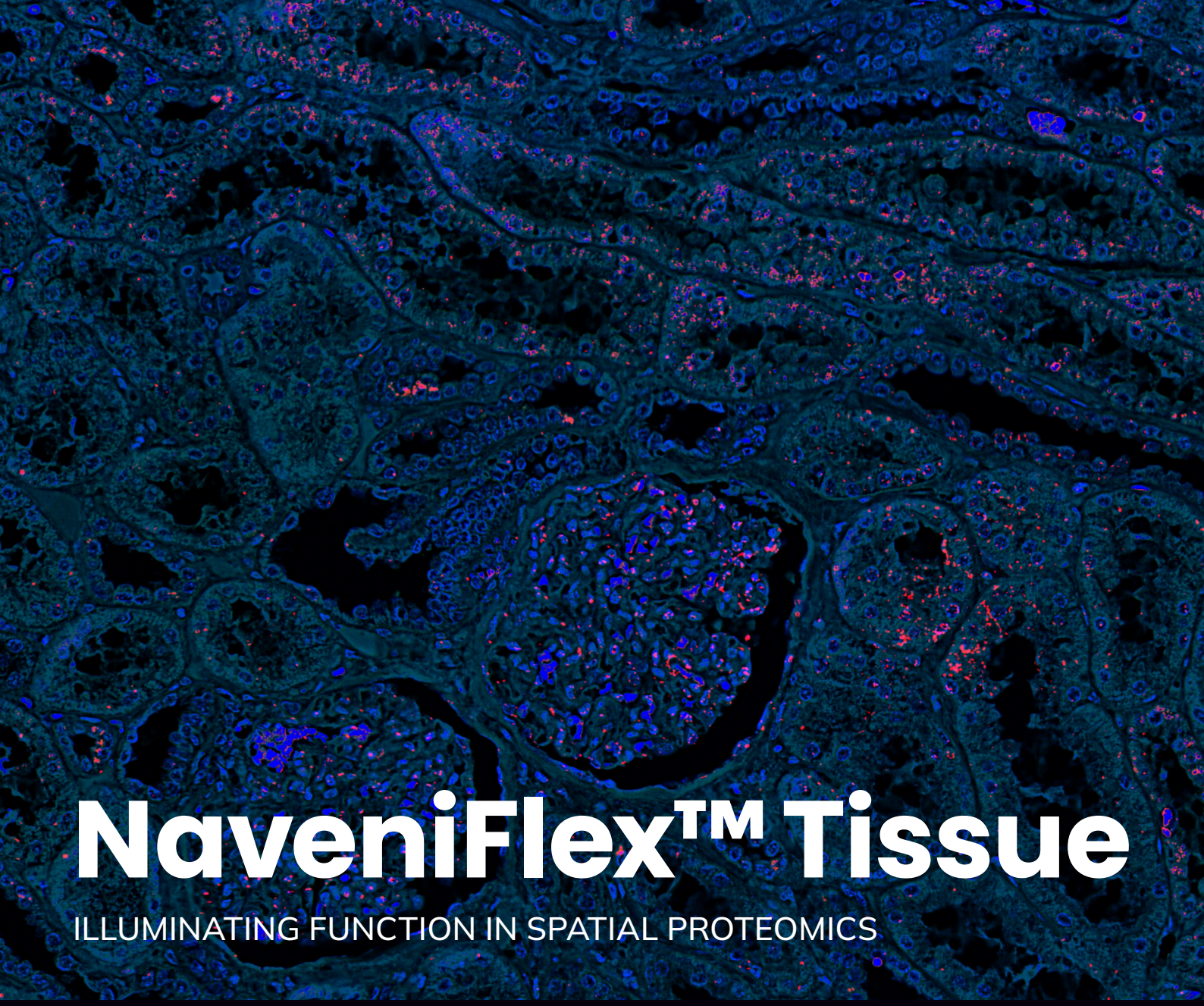


# NaveniFlex™ Tissue

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

## What is new?

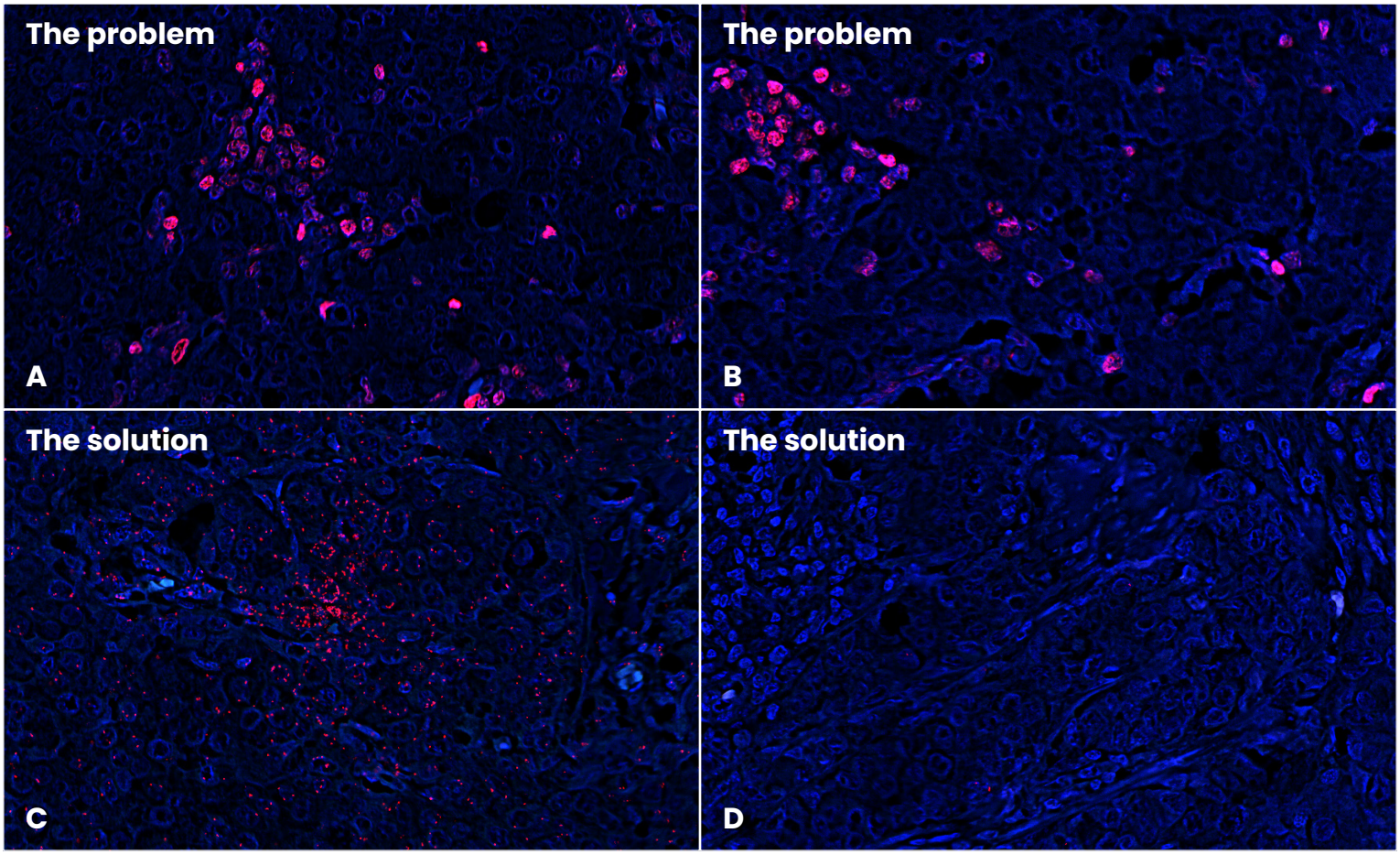
Tissues are complex multicellular structures where fluorescently labeled detection reagents have been observed to bind unspecifically. To address this unspecific binding, we have developed a new proprietary solution for fluorescent detection of protein-protein interactions (PPI) and post-translational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

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

For more information or to place an order, visit www.navinci.se/products
Email: contact@navinci.se

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The commercial *is*PLA kit X (a, b) stains Podocalyxin/Ezrin in FFPE breast cancer tissue but shows high background (hazy red staining), making the proximity signal unclear. Both the positive sample (a) and technical negative control (b) appear similar.

NaveniFlex Tissue clearly visualizes Podocalyxin/Ezrin interactions as distinct red specks without background (c) and leaves the technical negative control blank (d).

## How it works

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 signal that is easily quantifiable. Buffers and detection reagents are included.



## Ordering information

| Product | Code | Readout | Primary antibodies required |
|---|---|---|---|
| NaveniFlex Tissue* Red/Atto647N | 60027 Red<br>60026 Atto647N | Fluorescence | Mouse & Rabbit |
| NaveniFlex Cell** Red/Atto647N | 60025 Red<br>60017 Atto647N | Fluorescence | Mouse & Rabbit |
| NaveniLink | 60028 | For conjugation of primary antibodies (50 µg) | |

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

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For product-specific images on different tissues and more info, visit our web.
Email: contact@navinci.se