

NaveniTM PTM

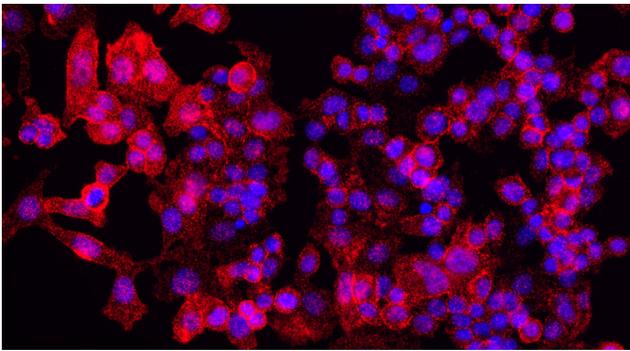
BRINGING PRECISION TO SPATIAL PROTEOMICS

Visualize phosphorylated receptor tyrosine kinases (RTKs) *in situ*, with outstanding specificity and sensitivity thanks to the innovative design of the proprietary NaveniTM technology. Contrary to traditional immunofluorescence, this technology gives a high signal-to-noise ratio and is easy to quantify.

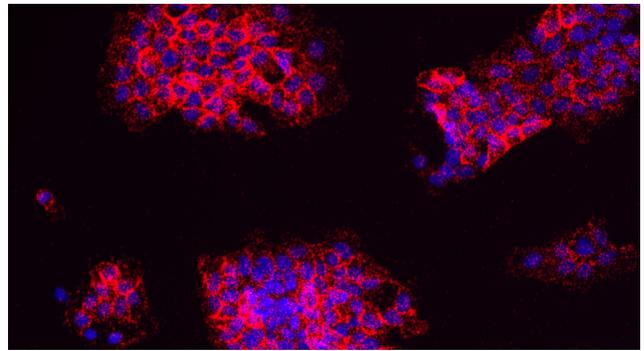
The Naveni PTM assays enable:

- Specific detection of phosphorylated RTKs using dual recognition
- High signal-to-noise ratio
- Detection of low abundant phosphorylated proteins
- Easy quantification of distinct fluorescent dots
- Already optimized kits and protocols; no additional primary antibodies needed

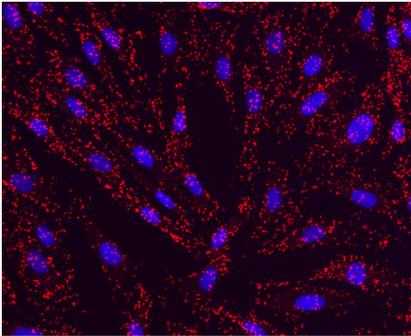
pY MET
pY EGFR
pY PDGFR-beta
pY VEGFR2
pY HER2



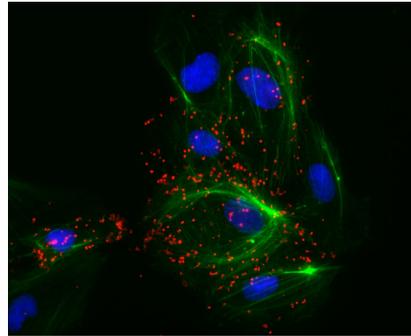
Phosphorylated HER2 in EGF-stimulated SkBr3 cells.



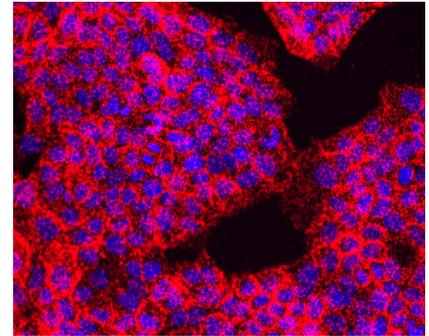
Phosphorylated MET in EGF-Stimulated A431 cells.



Phosphorylated PDGFR-beta in PDGFB-stimulated Bj-hTERT cells.



Phosphorylated VEGFR2 in VEGF-stimulated HUVEC cells.

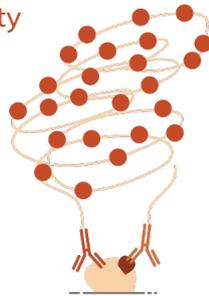


Phosphorylated EGFR in EGF-stimulated A431 cells.

Naveni PTMs are *in situ* Proximity Ligation Assay kits for fluorescence detection of phosphorylated RTKs. The kits can be used for cultured cells and fresh-frozen and FFPE cell samples. The kits are not validated for tissue samples.

Increased specificity and sensitivity thanks to the Naveni™ Proximity Ligation Technology.

Technology principle; Two Navenibodies conjugated to proprietary oligo arms; one Navenibody targets the protein close to the cytoplasmic C-terminal, and the other Navenibody interacts with phosphorylated tyrosine residues. Probes in close proximity will give rise to a strong and distinct signal that can easily be counted in any imaging software, creating a specific and sensitive quantification method for phosphorylated proteins.



Included in the kit:

- Navenibody targeting the human cytoplasmic protein
- Navenibody targeting the phosphorylated tyrosine residues
- Buffers for blocking and dilutions and all detection reagents
- The Navenibody solution has a working volume of 4000µl (sufficient for approx. 100 reactions)

Naveni PTM kits, optimized to detect phosphorylated proteins

Product	Code
Naveni pY EGFR	NPT.EGFR
Naveni pY HER2	NPT.HER2
Naveni pY MET	NPT.MET
Naveni pY PDGFR beta	NPT.PDGFRB
Naveni pY VEGFR2	NPT.VEGFR2



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