

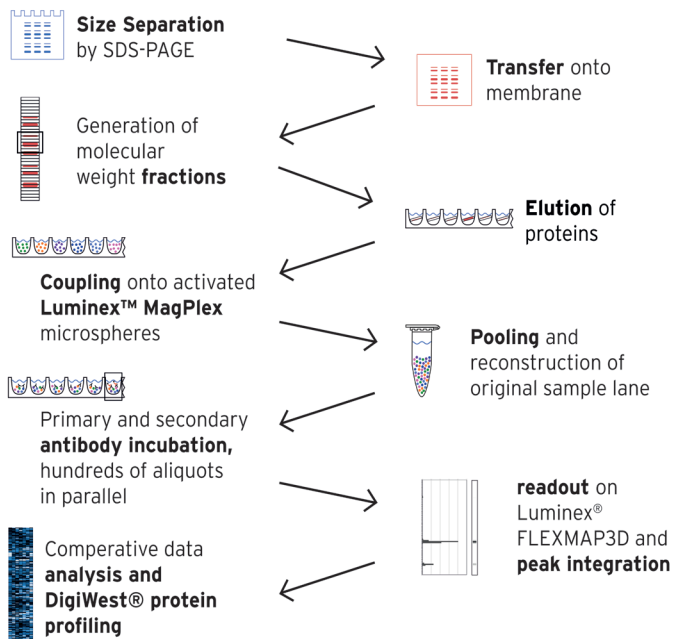
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How it works



ABOUT THE NMI

The NMI is a non-university research institution and conducts application-oriented research in the bio- and material sciences. It has an interdisciplinary range of expertise for R&D and services for companies in the healthcare, vehicle, mechanical engineering and toolmaking industries. In research, the NMI cooperates with many top-class institutions. It is supported by the Baden-Württemberg Ministry of Economic Affairs and is a member of innBW.

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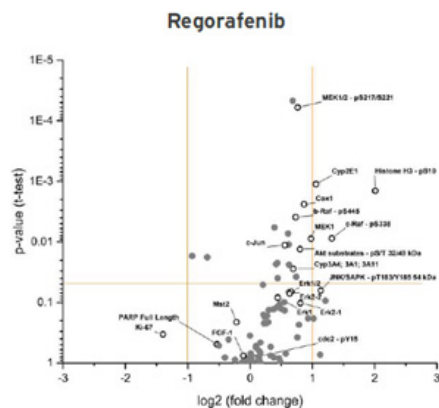
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western blots
in one go**



HUNDREDS OF PROTEINS

Comprehensive protein profiling: Analyze hundreds of total and phospho-proteins from minimal sample material. Gaining functional pathway insights beyond genomics for faster, smarter drug development.

DigiWest®: advanced proteomics, simplified.



Case Study

- mode of action analysis of novel compounds and comparison to regorafenib and sorafenib in samples from HCC-PDX mouse models
- identification of pathway crosstalk
- identify the molecular basis for combination therapies

Applications

- from compound mode-of-action studies to biomarker discovery
- in depth analysis of key signaling pathways
- DigiWest® protein profiling: From research to translational oncology

Samples

- analysis requires 10-60 µg protein
- analysis possible for 2D/3D cells, clinical biopsies, organoids, xenografts, tissue sections (fresh-frozen or FFPE), or samples from various animal models

Analyses

- 80 to 800 proteins can be analyzed in one go
- selection of 1,600+ analytes (including 300+ phospho-epitopes)
- 50+ different signaling pathway panels



DigiWest®
High Content Protein Profiling