

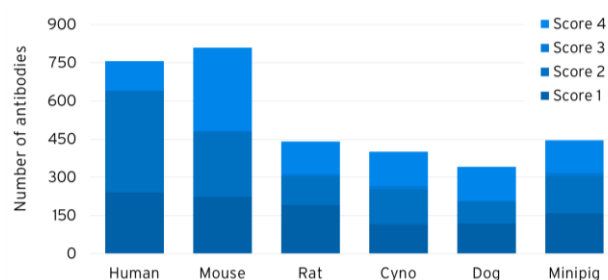
DigiWest® High-Content Protein Profiling

DigiWest

- Is a novel proprietary immunoassay technology (Treindl et al., Nature Comm 2016)
- Combines Western blotting with the multiplexing power of the Luminex® bead system
- Allows simultaneous quantification of up to 600 analytes from <50 µg of protein sample
- Is fully customizable, based on an ever-growing list of >1,000 antibodies (available by email)
- Enables profiling from various materials (cells, tissues, xenografts, sections)
- Represents a versatile post-genomics tool for numerous applications in translational research
- Is being offered on a fee-for-service basis

New! DigiWest for Multiple Species

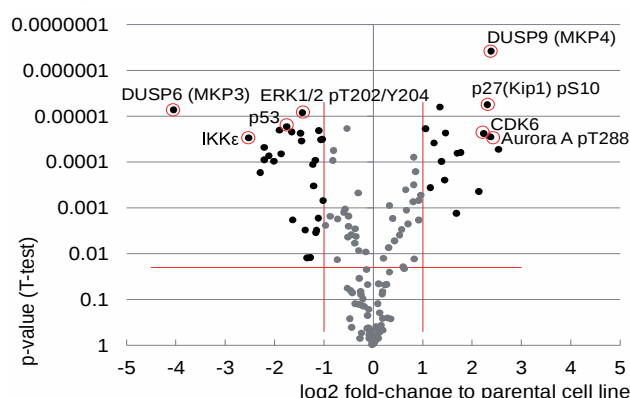
We have validated our DigiWest antibody panel for human, mouse, rat, dog, minipig & cynomolgus



- Hundreds of high-quality antibodies generate a multiplex protein profiling platform for toxicology and in vivo pharmacology applications

DigiWest for Biomarker Discovery

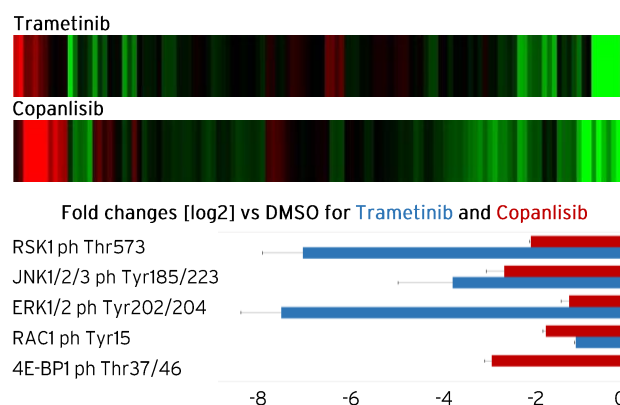
Profiling of Lapatinib resistant vs parental cell lines with 185 selected total & phospho antibodies



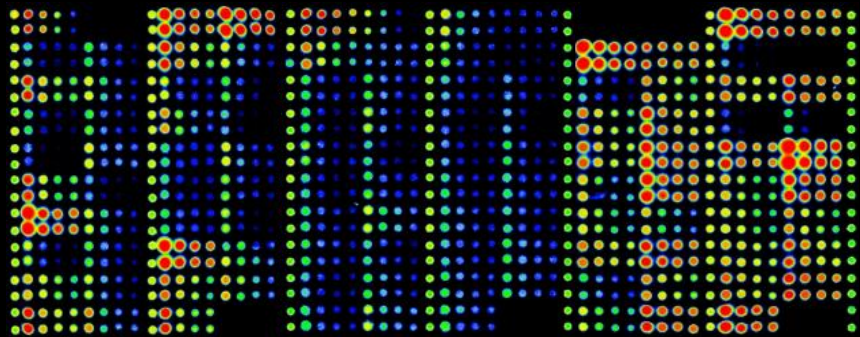
- DigiWest profiling yields detailed insights into the mechanisms of drug resistance, for identification of biomarkers and precision medicines

DigiWest for Lead Characterization

Cell-based profiling of anti-tumor compounds with 156 selected pathway-specific antibodies



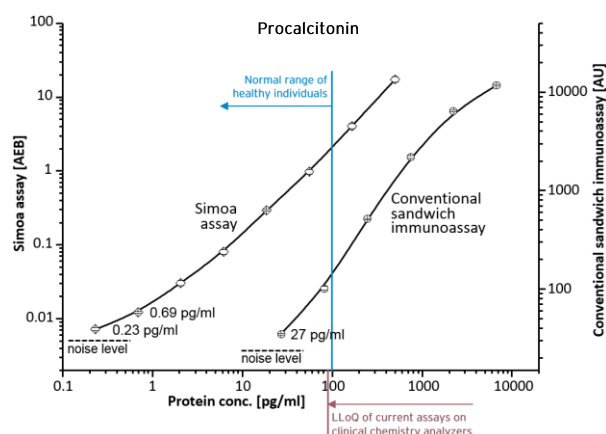
- DigiWest profiling of total & phospho proteins enables an in-depth MoA characterization of lead candidates vs reference compounds



Expert Services in Protein Profiling

Simoa Ultra-Sensitive Assays

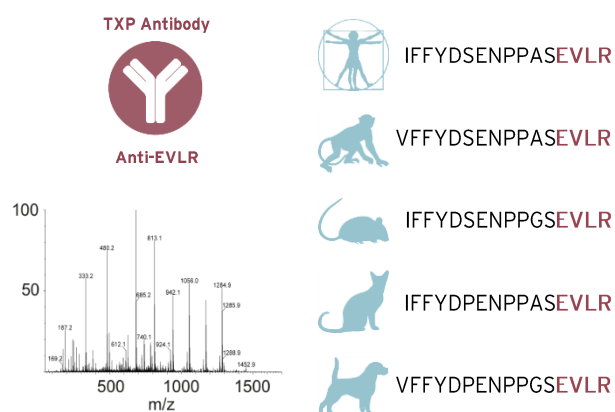
Protein quantification using Quanterix Simoa vs conventional immunoassay-based approaches



- Quanterix Simoa assays offer 100- to 1,000-fold higher sensitivity, to analyze precious samples

MS-based Cross-Species Assays

Peptide-specific antibodies for enrichment of drug metabolizing enzymes in mass spec assays

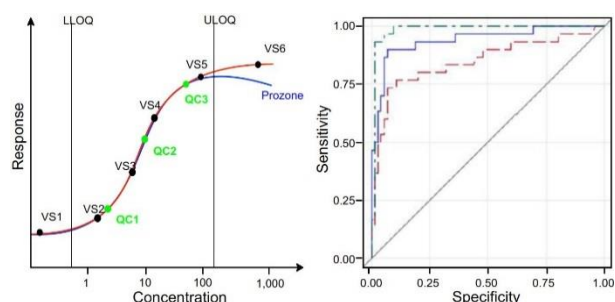


- Our proprietary MS-TXP approach facilitates truly translational marker assays for ADME/Tox studies

Luminex Assay Development

Development & screening of miniaturized assays for PK/PD studies, drug-induced organ injury, pathogen infections, protein-protein interactions, etc.

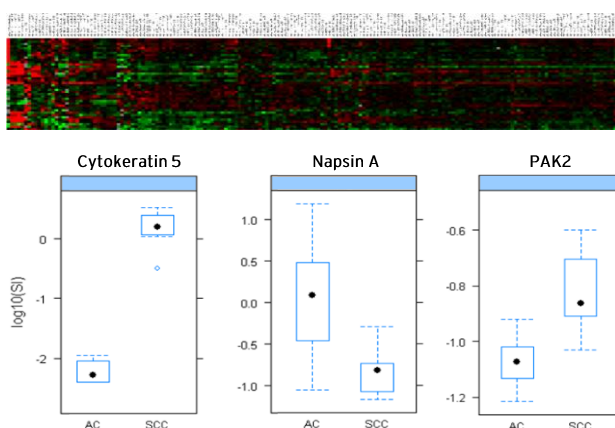
Luminex assays for plasma proteins (>50 analytes), cell signalling proteins, and serological applications



- Standard and fully customized assays; validation of assays according to CLSI and FDA guidelines

Reverse Phase Protein Arrays

Marker screen for 180 protein analytes, with tissue sections of AC vs SCC lung carcinoma samples



- RPPAs enable quantification of 20 to 200 proteins in hundreds of samples (cells, tissues, xenografts)