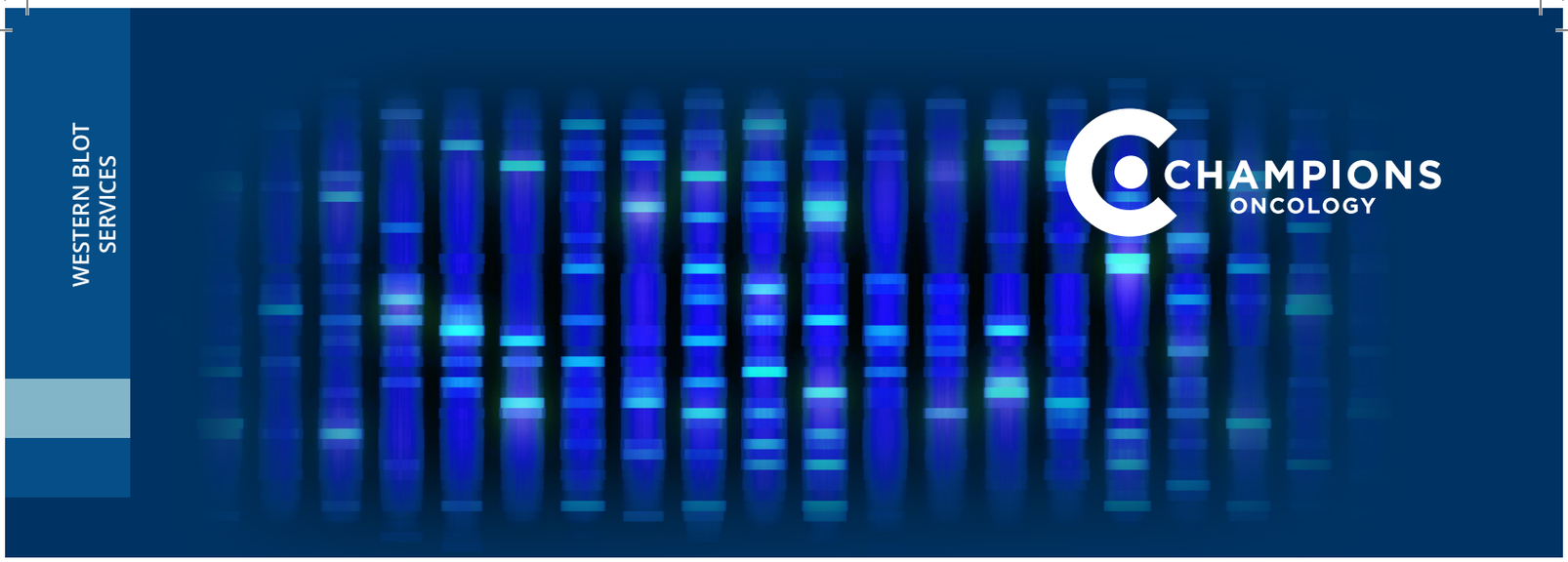
WESTERN BLOT SERVICES



Western Blot Services

Western Blotting or Immunoblotting is a widely used, essential and trusted technique for protein analysis of complex systems. Western Blotting ensures high sensitivity and specificity compared to other protein analysis techniques. Champions Oncology now provides Western Blotting protein detection assays, developed on the Jess ProteinSimple Analyzer. This platform improves data quality and reproducibility eliminating tedious operator-dependent steps of traditional Western Blotting through the automation of protein separation and immunodetection. As oncology experts, our team has deep scientific competencies to not only aid in the planning of your upcoming study, but to recommend Western Blotting for specific proteins of interest to better select a model from our highly characterized tumor bank or for endpoint analysis to determine the presence of your protein of interest pre/post therapeutic treatment.

SCIENTIFIC EXPERTISE

Expert Oncology PhD Scientists to Plan Your Studies

QUICK TURNAROUND & EXECUTION

Fast Delivery of Timely Results

HIGH SENSITIVITY PROTEIN DETECTION

Picogram-level Protein Detection from <10uL of Starting Sample

Sample Types

- Solid Tumor/Tissue
- Cells

Champions' Quality Control Processes

- Sample QC: Is there Enough Protein Yield to Run All Markers on Study?
- Electrophoresis QC: JESS Instrument Self-test
- Data Analysis QC: Are there Reproducible Fluorescent Standard Peaks for Each Sample?

Western Blot

Platform
- ProteinSimple JESS System

Protein Separation
- By Size in Capillary
- 2-440kDa Separation Range

Detection Method
- Chemiluminescence

Data Analysis and Quantitation
- Built-in Compass Software

www.ChampionsOncology.com

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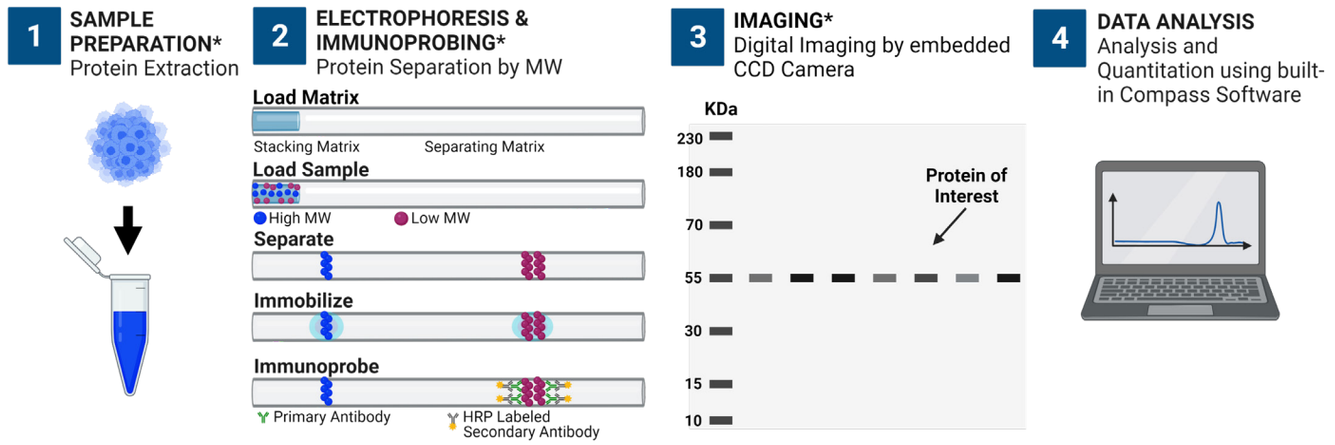
One University Plaza, Suite 307
Hackensack, NJ 07601

Champions Oncology's Western Blot Protein Detection Workflow

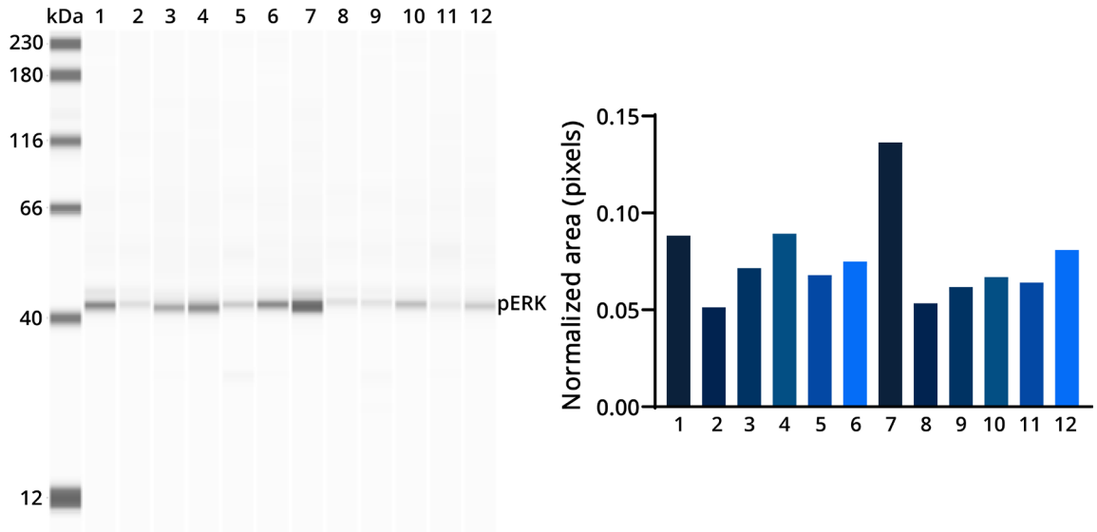


*** Champions' Quality Control is completed during this step**

Phosphorylated ERK Protein Detection & Quantitation by Western Blot

Each sample-loaded capillary was probed with anti-pERK primary antibody followed by an HRP-conjugated secondary antibody. Chemiluminescent signal was detected with an embedded CCD camera. Each line represents a separate capillary; the left line shows the Molecular Weight standards for reference.

The bar graph shows pERK protein expression values for each sample normalized to β-actin values (not shown).



To learn more about adding Western Blot protein detection and quantitation to your upcoming studies, please reach out to your Business Development Representative.

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