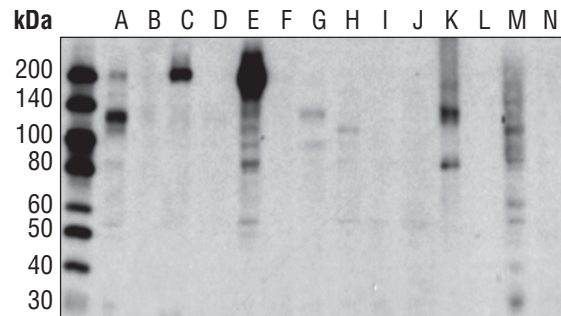


How is your antibody validated for western blotting?

Phospho-Met (Tyr1234/1235) (D26) XP® Rabbit mAb #3077



Competitor



- A. A431 + HGF
- B. A431 - HGF
- C. NIH/3T3 + PDGF
- D. NIH/3T3 - PDGF
- E. A431 + EGF
- F. COS/FGFR1
- G. CHO/IRS1,IR + Insulin
- H. K562
- I. SUPM2
- J. L540
- K. NIH/3T3/Src
- L. GST-Tie-2
- M. SEM
- N. H526+SCF

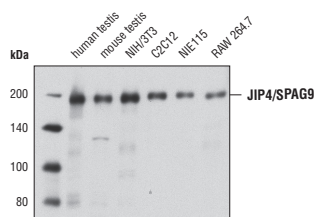
A single band at 145 kDa was observed by western blotting in HGF-stimulated, but not in unstimulated A431 cells using Phospho-Met (Tyr1234/1235) (D26) XP® Rabbit mAb #3077 (left). Extracts expressing other RTKs or cytoplasmic tyrosine kinases were negative with the CST antibody. The competitor antibody recognizes several non-specific bands (right).

Cell Signaling Technology antibody validation includes:

Cell Signaling Technology (CST) provides the highest quality antibodies available for western blotting. CST antibodies are produced in-house and validated extensively according to a rigorous protocol.

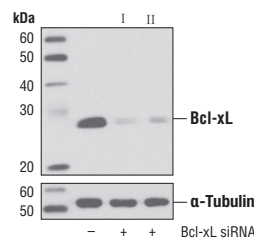
Analysis of Multiple Cell Lines:

Examination of several cell lines and/or tissues of known expression levels allows accurate determination of species cross-reactivity and verifies specificity.



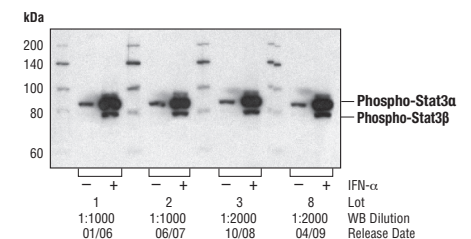
siRNA Knock-down:

The use of siRNA transfection or knockout cell lines verifies target specificity.



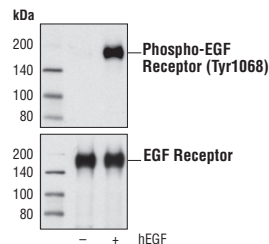
Lot-to-Lot Testing:

Side-by-side comparison of lots to ensure lot-to-lot consistency.



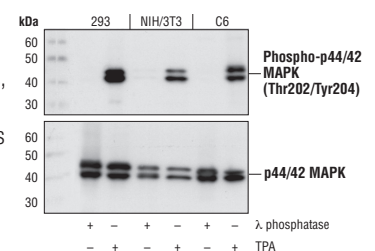
Optimization:

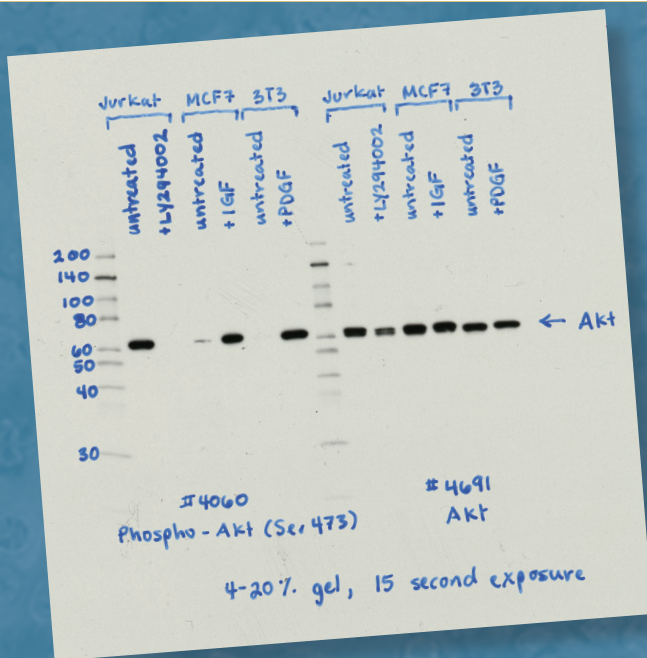
Optimal dilutions and buffers are predetermined, positive and negative cell extracts are specified, and detailed protocols are already optimized, saving valuable time and reagents.



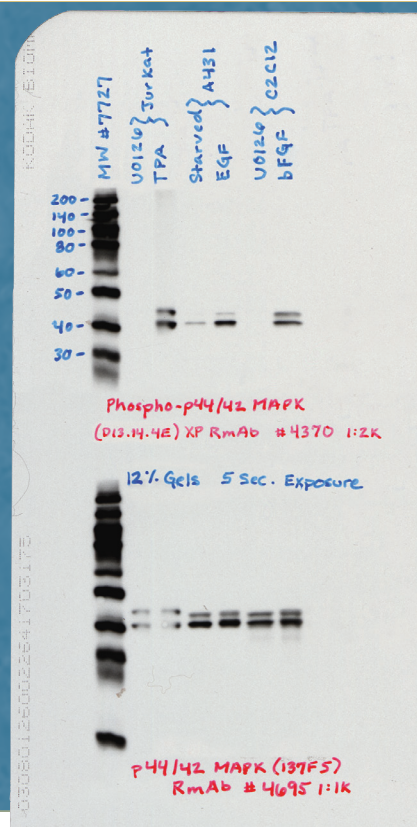
Phosphatase and Activator Treatment:

Treatment of cell lines with growth factors, chemical activators or inhibitors, which induce or inhibit target expression, verifies specificity. Phosphatase treatment confirms phospho-specificity.





Multiple cell lines were treated with activators and inhibitors of PI3K/Akt and Erk1/2 signaling to verify target phospho-specificity and species cross-reactivity. The absence of cross-reacting bands ensures you are only detecting your protein of interest.



ANTIBODIES AND RELATED REAGENTS FOR SIGNAL TRANSDUCTION RESEARCH

Publication-quality Western Blots

from Cell Signaling Technology

Stop wasting your precious time and samples optimizing your western blots! Let us do it for you.

Publication-quality results right from the start are yours with extensively validated antibodies and optimized protocols from Cell Signaling Technology (CST).

:: Great results without trial & error

Pre-optimized conditions and dilutions mean minimal time and reagent waste

:: Specificity you can trust

Our rigorous validation ensures confidence in the specificity of your results

:: Repeatable results

Extensive lot-to-lot testing means the same results each and every time

:: Quality reagents for quality blots

Your results are only as good as your reagents, so we recommend the CST quality reagents used in our validation procedures.

- Cell Lysis Buffer
- Protein Ladder
- Loading Buffer
- Loading Control Antibodies
- Inhibitors and Activators
- HRP-conjugated or Fluorescently-labeled Secondary Antibody
- Control Cell Lysates

Unparalleled product quality, validation, and technical support.

Visit www.cellsignal.com/WB to find out more details about the validation protocols used by CST scientists.

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Your information here