

Multiple Probing of Western Blots with Western ReProbe™

Protein electrophoresis and Western blot transfer are time consuming processes and utilize precious protein samples. Stripping and reprobing Western Blots with Western ReProbe™ saves time, money and preserves precious protein samples.

Western ReProbe™ is specifically formulated to dissociate and remove all antibodies from the membrane-immobilized proteins without destroying the antigenic binding sites or removing the protein.

Researchers have used Western ReProbe™ to screen a single blot with multiple antibodies, in using housekeeping antibodies to determine equal protein loading, and to screen the same blot to compare phosphorylated and total protein levels.

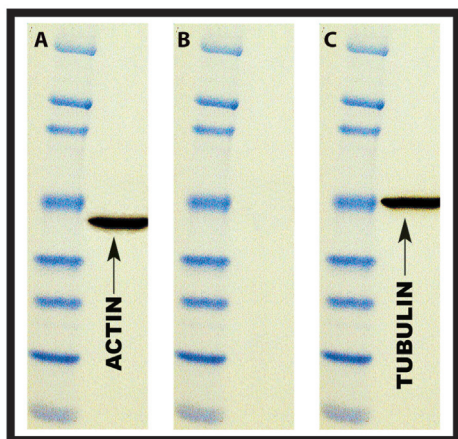


Figure 1: Mouse liver extract was resolved on a SDS-polyacrylamide gel and then transferred onto a PVDF membrane. The Western blot was first probed for actin (A) then stripped with Western ReProbe™ (B) and subsequently screened for tubulin antigens (C). Tubulin band was developed without loss of signal or background problems normally associated with re-probing.

Western ReProbe™ has a straightforward protocol and saves valuable research time. Incubate the blot in Western ReProbe™ for only 30 minutes as opposed to making a new blot:

$$\begin{array}{r} \text{Electrophoresis (1 to 2 hours)} \\ + \\ \text{Protein Transfer (0.5 hours to overnight)} \\ = \\ \text{Between 2 hrs to the following DAY!} \end{array}$$

Western ReProbe™ is not recommended for stripping color producing Western blots that use substrates such as TMB, chloronaphthol or DAB.

Advantages of Western ReProbe™

- Repeated analysis of Western blots with multiple probes
- Re-analysis and correction of unsatisfactory Western blots
- Conservation of hard-to-obtain test samples and reagents
- Time saving in re-running gels and transfer processes

Western ReProbe™ is supplied as 5X solution, 100ml is sufficient reagent for 25-30 standard (7.5 x 8.5cm) blots.

Researchers have used Western ReProbe™ to strip and reprobe immunoblots as many as three consecutive times (see references below).

Western ReProbe™ PLUS is a stronger stripping agent designed for high affinity antibodies.

ORDERING INFORMATION

VWR Cat. No.	Description	Size
82022-512	Western ReProbe™ [5X]	100ml
71003-118	Western ReProbe™ [5X]	500ml
71003-120	Western ReProbe™ [5X]	1L
71003-122	Western ReProbe™ PLUS [1X]	500ml
71003-124	Western ReProbe™ PLUS [1X]	1L
71003-126	Western ReProbe™ PLUS [1X]	1gal

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