

Signal Enhancer HIKARI

Signal Enhancer HIKARI for Western blotting and ELISA

Dilute your antibodies with Signal Enhancer HIKARI instead of conventional diluents such as PBS or TBS before performing your next Western blot detection protocol and witness a remarkable increase in the ability to detect the protein of interest and to eliminate undesired background.

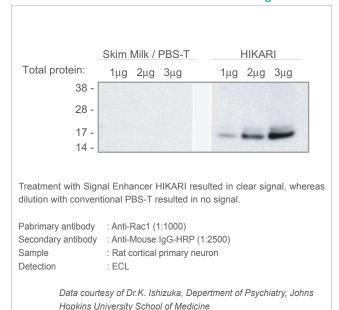
Signal Enhancer HIKARI was developed to resolve the problems of low sensitivity and high background often encountered during procedures such as Western blotting and ELISA.

- » Enhances antigen-antibody reactions yields several 10-fold increase in signal intensity
- » Removes background
- » Works with any substrate
- » Works with any membrane
- » Ready-to-use reagent
- improves the specificity of your antibodies
- enhances both chemiluminescence and colorimetric detection

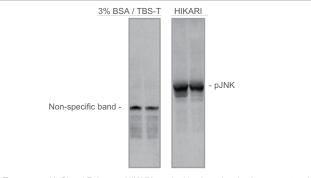
Detection enhancement of pJNK

- enhances signal from nitrocellulose and PVDF membrane
- Just dilutes your antibodies with Signal Enhancer HIKARI

Detection enhancement of Rac1 with treatment of HIKARI in Western blotting



with treatment of HIKARI in Western blotting 3% BSA / TBS-T



Treatment with Signal Enhancer HIKARI resulted in clear signal enhancement and background suppression compared with the conventional method using TBS-T.

Pabrimary antibody : Anti-pJNK (1:1000) Secondary antibody : Anti-Rat IgG-HRP (1:5000) Sample : Mouse Embryonic Fibroblast Detection : Super Signal West Pico

> Data courtesy of Dr.S. Matsuzawa, Signal Transduction, NCI Cancer Center, Burnham Institute for Medical Research

Reference

- 1. Feng-Ming Yang et al. FEBS 276, 425-436(2009)
- 2. Jian-Bin Wang et al. The Journal of Cell Science 122(12), 2024-2033(2009)
- 3. Chunwei Huang et al. Reproductive Toxicology 27, 103-110(2009)
- 4. Sawako Yamashiro et al. The Journal of Cell Science 121(Pt 23), 3867-3877(2008)

Ordering Information

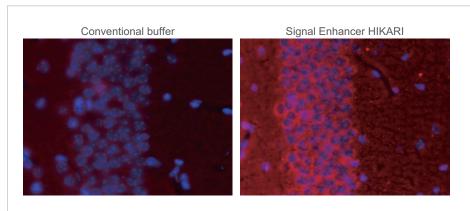
Product name	Storage	Product number	PKG Size
Signal Enhancer HIKARI for Western Blotting and ELISA Kit contents: Solution A for Primary Antibody Solution B for Secondary Antibody	4°C	02267-41 02270-81	1 Set (50 ml each) 1 Set (250 ml each)
Signal Enhancer HIKARI for Western Blotting and ELISA Solution A	4°C	02272-74	250 ml
Signal Enhancer HIKARI for Western Blotting and ELISA Solution B	4°C	02297-64	250 ml

· Signal Enhancer HIKARI for Immunostain

Signal Enhancer HIKARI for Immunostain was developed to resolve the problems of low sensitivity and high background often encountered during immunostain procedures such as immunohistochemistry (IHC) and immunocytochemistry. Dilute your antibodies with Signal Enhancer HIKARI for Immunostain instead of conventional diluents such as PBS or TBS before performing your next IHC experiment and witness a remarkable increase in the ability to detect the protein of interest and to eliminate unwanted background.

- » Enhances signals
- yields several fold increase in signal intensity
- » Reduces background
- improves the specificity of your antibodies
- » Ready-to-use reagent
- just dilutes your antibodies with Signal Enhancer HIKARI for Immunostain
- » Works with any system
- applicable to colorimetric, chemiluminescent and fluorescent detection

Application data



Brain tissue section was stained with secondary antibody conjugated with AF555 (red) and counter stained with Hoechst dye (blue).

Data courtesy of Dr. R. Ishimura, The Jackson Laboratory

Ordering Information

Product name	Storage	Product number	PKG Size
Signal Enhancer HIKARI for Immunostain Trial Set	4°C	02363-71	1 Set (5 ml each)
Signal Enhancer HIKARI for Immunostain Solution A	4°C	02373-54	20 ml
Signal Enhancer HIKARI for Immunostain Solution B	4°C	02375-34	20 ml

For research use only, not intended for diagnostic or drug use.

NACALAI TESQUE, INC.

Nijo Karasuma, Nakagyo-ku, Kyoto 604-0855, JAPAN

TEL : +81-(0)75-251-1730

FAX : +81-(0)75-251-1763

Website : http://www.nacalai.com

E-mail : info.intl@nacalai.com

^{*} The kit can also be used in combination with sensitizing systems such as the ABC or polymer complex method.